



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: MENDRICK, et al.

Art Unit: 1631

Serial No.: 10/501,933

Examiner: Larry D. Riggs

Old Atty. Docket: OCIM-002/15US

Filed: October 27, 2004

New Atty. Docket: 966944-00002-15US

For: METHODS FOR DETERMINING  
HEPATOTOXINS

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUBSTITUTE TABLE 5 (including Tables 5A-5WWW)**

**TABLE 5A: ANIT** Attorney Docket 44921-5038-01-WO  
Timepoint(s): 24, 48 hrs Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
130	24237	98.99	552.75	59.09	186.2	105.76
1089	2459	98.73	86.15	11.04	27.11	44.18
3309	20529	98.59	486.13	85.72	130.35	190.47
3741	12577	98.3	490.32	59.77	157.12	145.11
3073	488	98.27	370.49	140.66	146.73	741.39
2789	5046	98.19	230.1	39.55	76.86	40.81
1697	9583	98.19	454.49	193.13	59.72	95.87
2962	25052	98.17	163.78	79.47	33.34	140.24
2068	9757	97.77	537.15	109.35	281.58	67.48
1737	1501	97.77	1234.63	180.75	498.76	246.64
245	23521	97.48	617.74	133.41	191.96	140.78
1807	22487	97.45	191.47	42.85	64.92	35.49
4268	25747	97.45	1202.81	298.18	422.44	227.36
3115	24453	97.4	351.02	97.96	89.23	52.72
1353	5466	97.27	248.92	71.12	108.93	35.96
828	21318	97.21	104.83	14.8	34.41	43.77
639	13088	97.19	205.31	85.24	1280.74	435.78
3075	23869	97.13	231.38	63.79	64.48	132.42
1620	8584	97.11	359.89	91.62	1402.68	635.33
1640	8344	96.92	1258.6	166.95	510.74	277.15
2640	14153	96.84	109.43	20.3	41.89	63.65
2076	1902	96.84	71.19	9.08	226.69	107.25
1067	2319	96.73	196.38	32.42	539.12	174.84
3141	23445	96.63	24.86	11.25	236.59	130.44
4214	25689	96.6	1482.26	155.11	844.82	394.8
128	5934	96.55	41.26	24.27	369.78	165.15
1111	2809	96.44	71.08	11.1	27.79	23.85
4065	3244	96.44	33	5.11	70.94	20.9
1813	23538	96.1	219.13	87.76	99.68	108.01
998	17540	96.1	1323.16	194.28	663.01	265.99
3740	25024	96.04	646.27	86.64	1410.77	553.78
3075	23872	95.83	221.05	100.17	74.03	154.93
1405	2441	95.83	171.72	25.98	87.3	34.5
3969	2802	95.8	745.44	99.02	356.61	137.25
2664	17664	95.75	641.23	161	279.44	160.86
2035	3916	95.72	797.88	120.65	1542.05	408.94
3501	12542	95.72	214.11	23.56	439.06	150.01
1313	3665	95.72	400.05	57.65	198.35	75.55
1174	3773	95.62	200.17	65.16	67.4	60.57
350	17334	95.59	332.24	37.36	176.57	86.55
3389	6017	95.59	54.76	35.28	784.95	505.02
3938	22501	95.54	225.58	26.36	143.61	50.69
3224	22582	95.54	176.7	33.43	438.83	142.19
329	21572	95.41	592.87	73.06	337.66	111.64
1914	14560	95.35	190.26	36.32	114.14	52.18
839	21993	95.17	99.9	21.8	57.41	36.32
2538	16321	95.06	213.4	20.56	128.1	42.4
1430	1409	95.01	205.01	39.55	411.9	113.42

1566	20983	94.95	440.59	131.05	1000.31	290.66
3889	6613	94.93	364.29	63.25	720.1	228.95
2886	62	94.82	50.4	14.44	118.79	37.33
3888	12331	94.77	96.21	34.92	329.07	129.02
2014	20891	94.77	222.12	39.38	105.73	53.58
1101	2569	94.72	283.21	98.85	910.74	287.92
3910	18902	94.69	348.23	36.04	207.64	68.65
1663	10363	94.66	125.62	16.92	223.36	61.18
3467	22413	94.64	1042.17	247.16	426.57	245.01
3024	1246	94.64	21.33	9.13	78.41	30.25
2630	8549	94.61	249.65	51.25	663.93	226.14
3433	19712	94.56	58.27	14.39	140.93	49.49
3456	6585	94.56	148.05	59.78	56.41	73.31
444	15372	94.53	298.67	45.21	182.61	54.97
3229	25567	94.5	287.31	67.85	144.5	141.52
1306	9150	94.48	765.05	74.86	542.38	139.66
2431	6072	94.34	1123.87	157.59	1865.56	459.23
3391	17507	94.34	653.29	69.84	426.71	114.42
4179	9842	94.32	932.29	145.79	1605.99	413.18
2195	19363	94.24	335.33	156.81	1903.78	901.87
1439	3191	94.21	460.97	69.65	288.06	117.53
1457	2799	94.21	124.02	33.41	493.85	224.72
3450	20299	94.18	275.82	63.75	727.54	248.68
3647	18315	94.08	111.16	28.31	46.38	38.06
159	6015	94.05	838.88	114.92	1508.71	396.35
1723	9191	94.03	199.23	77.83	693.81	285.32
4180	22005	94.03	166.87	42.15	71.94	46.17
388	11608	94	42.31	7.96	20.84	11.8
3664	20502	93.97	1646.55	356.92	3230.99	912.05
2238	7697	93.95	191.93	44.06	452.46	149.81
640	1562	93.89	472.76	94.52	883.41	225.53
2860	9029	93.81	626.36	94.46	378.51	189.03
2038	5899	93.76	640.44	154.51	1218.47	346.05
356	6403	93.76	112.12	25.49	59.08	28.84
1135	16883	93.68	1388.39	131.94	2056.29	532.88
3980	25479	93.6	870.55	66.41	1191.63	285.25
3953	16993	93.57	548.16	138.45	1060.21	295.06
2635	13294	93.55	547.53	69.75	347.35	106.73
3326	1447	93.49	346.96	28.7	240.68	59.95
1307	3755	93.47	261.07	39.71	146.88	162.03
3740	15028	93.44	1069.77	84.48	1751.57	516.3
1692	9016	93.31	1162.4	234.21	2638.32	991.62
2656	22234	93.31	71.97	17.32	178.27	75.7
28	17688	93.31	96.81	18.02	55.85	29.66
2505	15551	93.28	234.44	17.57	327.59	67.42
1161	16625	93.28	498.4	50.08	345.84	83.51
730	16370	93.18	104.88	40.52	308.46	129.52
2241	10310	93.18	406.77	47.19	264.53	84.75
2344	15042	93.17	284.8	88.21	33.91	59.77
2702	11164	93.15	222.25	38.73	500.62	201.04
1911	4914	93.12	242.21	59.13	481.7	150.93
625	548	92.96	81.78	39.86	400.34	222.78
2588	20350	92.96	137.74	20.15	236.93	65.42

3713	1475	92.88	193.91	103.16	83.12	266.04
3626	4234	92.75	800.15	73.28	615.39	299.27
3057	22513	92.69	1097.94	598.31	33.48	789.66
4011	16592	92.56	214.08	88.03	58.71	22.56
4162	851	92.54	267.66	40.6	437.35	105.76
3214	13283	92.51	411.12	138.92	901.88	273.11
2499	18393	92.43	174.49	24.11	110.39	35.54
3274	10887	92.41	51.42	15.37	106.27	32.78
2877	134	92.35	42.57	17.12	118.45	52.1
2831	20056	92.35	56.21	14.55	109.74	33.89
3335	18687	92.06	1004.3	203.75	660.4	590.49
3387	10016	91.95	234.95	78.24	91.81	48.08
3710	16726	91.85	464.14	97.03	793.26	196.5
4168	1279	91.84	100.52	31.11	42.37	17.18
3346	20849	91.79	290.11	72.21	137.48	46.69
3346	20848	91.68	549.32	149.49	258.15	85.41
389	11635	91.64	164.73	26.59	292.15	88.4
633	4242	91.58	168.33	87.42	519.88	210.91
3260	24771	91.56	726.52	109.21	1109.16	317.35
466	11940	91.53	53.34	7.14	34.25	13.02
3567	1221	91.47	238.01	111.68	32.15	122.25
3319	15301	91.47	122.31	39.53	25.52	129.2
1241	20741	91.36	120.33	40.28	21.7	29.48
102	19073	91.36	463.97	92.72	247.43	62.06
3199	17894	91.28	100.57	22.68	47.05	20.73
600	17590	91.26	246.76	80.2	105.69	45.59
3096	23522	91.2	131.04	23.29	58.41	35.67
3679	24810	91.18	81.64	54.19	418.44	149.94
3742	16364	91.18	56.87	26.35	179.75	88.24
2981	25055	90.87	525.23	275.37	240.95	544.68
541	8317	90.87	346.03	65.34	636.76	222.22
3826	14016	90.86	160.55	32.68	83.49	24.91
3323	15141	90.81	224.67	32.54	145.63	47.8
3737	23895	90.81	122.62	29.34	57.38	19.8
3594	11849	90.71	921.51	68.21	746.33	165.53
3369	18573	90.68	180.81	15.83	133	34
613	3853	90.57	26.76	7.21	52.95	20.3
3667	15175	90.52	163.6	14.59	232.32	67.52
3620	20862	90.49	128.2	36.88	273.07	97.03
3961	16457	90.47	258.16	38.97	168.5	78.82
3284	16681	90.46	448.3	120	137.14	101.66
4191	25084	90.39	72.69	19.58	141.28	54.47
3826	14017	90.38	156.42	54.15	71.98	28.9
2558	573	90.31	437.54	98.96	895.06	345.38
3322	20914	90.28	699.87	187.45	234.22	310.14
3675	21693	90.15	603.17	91.99	882.78	201.72
3550	20772	90.14	105.17	30.65	53.17	24.79
1237	18675	90.12	454.84	42.72	801.32	503.38
628	20986	90.1	119.18	41.95	339.57	171.45
3679	24811	90.09	578.74	275.87	1508.7	454.28
3434	19824	89.99	140.97	49.64	374.3	163.61
3647	18316	89.96	214.28	53.79	73.62	59.85
3050	25467	89.94	111.59	66.67	368.48	173.35



3195	3404	89.85	203.83	33.04	126.96	43.38
3341	24767	89.85	250.13	58.48	113.77	45.71
3424	18727	89.8	984.02	129.49	762.82	383.67
3051	3424	89.8	54.38	8.67	34.22	15.48
3090	4450	89.78	105.92	32.55	197.38	61.02
3924	14959	89.78	701.59	85.62	537.61	175.22
3075	23868	89.77	831.02	335.24	233.04	687.83

TABLE 5B: ANIT				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
1089	2459	98.73	86.15	11.04	27.11	44.18
1697	9583	98.19	454.49	193.13	59.72	95.87
2789	5046	98.19	230.1	39.55	76.86	40.81
2068	9757	97.77	537.15	109.35	281.58	67.48
245	23521	97.48	617.74	133.41	191.96	140.78
1353	5466	97.27	248.92	71.12	108.93	35.96
828	21318	97.21	104.83	14.8	34.41	43.77
1620	8584	97.11	359.89	91.62	1402.68	635.33
1640	8344	96.92	1258.6	166.95	510.74	277.15
2076	1902	96.84	71.19	9.08	226.69	107.25
2640	14153	96.84	109.43	20.3	41.89	63.65
1067	2319	96.73	196.38	32.42	539.12	174.84
4214	25689	96.6	1482.26	155.11	844.82	394.8
4065	3244	96.44	33	5.11	70.94	20.9
1111	2809	96.44	71.08	11.1	27.79	23.85
998	17540	96.1	1323.16	194.28	663.01	265.99
1813	23538	96.1	219.13	87.76	99.68	108.01
1405	2441	95.83	171.72	25.98	87.3	34.5
2664	17664	95.75	641.23	161	279.44	160.86
1313	3665	95.72	400.05	57.65	198.35	75.55
3501	12542	95.72	214.11	23.56	439.06	150.01
1174	3773	95.62	200.17	65.16	67.4	60.57
3389	6017	95.59	54.76	35.28	784.95	505.02
350	17334	95.59	332.24	37.36	176.57	86.55
3224	22582	95.54	176.7	33.43	438.83	142.19
3938	22501	95.54	225.58	26.36	143.61	50.69
329	21572	95.41	592.87	73.06	337.66	111.64
1914	14560	95.35	190.26	36.32	114.14	52.18
839	21993	95.17	99.9	21.8	57.41	36.32
2538	16321	95.06	213.4	20.56	128.1	42.4
1430	1409	95.01	205.01	39.55	411.9	113.42
2886	62	94.82	50.4	14.44	118.79	37.33
2014	20891	94.77	222.12	39.38	105.73	53.58
3888	12331	94.77	96.21	34.92	329.07	129.02
3910	18902	94.69	348.23	36.04	207.64	68.65
1663	10363	94.66	125.62	16.92	223.36	61.18
3024	1246	94.64	21.33	9.13	78.41	30.25
3467	22413	94.64	1042.17	247.16	426.57	245.01
3433	19712	94.56	58.27	14.39	140.93	49.49

444	15372	94.53	298.67	45.21	182.61	54.97
3229	25567	94.5	287.31	67.85	144.5	141.52
1306	9150	94.48	765.05	74.86	542.38	139.66
3391	17507	94.34	653.29	69.84	426.71	114.42
4179	9842	94.32	932.29	145.79	1605.99	413.18
1457	2799	94.21	124.02	33.41	493.85	224.72
1439	3191	94.21	460.97	69.65	288.06	117.53
3450	20299	94.18	275.82	63.75	727.54	248.68
3647	18315	94.08	111.16	28.31	46.38	38.06
159	6015	94.05	838.88	114.92	1508.71	396.35
4180	22005	94.03	166.87	42.15	71.94	46.17
1723	9191	94.03	199.23	77.83	693.81	285.32
2238	7697	93.95	191.93	44.06	452.46	149.81
2860	9029	93.81	626.36	94.46	378.51	189.03
356	6403	93.76	112.12	25.49	59.08	28.84
1135	16883	93.68	1388.39	131.94	2056.29	532.88
3980	25479	93.6	870.55	66.41	1191.63	285.25
3953	16993	93.57	548.16	138.45	1060.21	295.06
2635	13294	93.55	547.53	69.75	347.35	106.73
1307	3755	93.47	261.07	39.71	146.88	162.03
3740	15028	93.44	1069.77	84.48	1751.57	516.3
28	17688	93.31	96.81	18.02	55.85	29.66
2656	22234	93.31	71.97	17.32	178.27	75.7
1692	9016	93.31	1162.4	234.21	2638.32	991.62
1161	16625	93.28	498.4	50.08	345.84	83.51
2505	15551	93.28	234.44	17.57	327.59	67.42
2241	10310	93.18	406.77	47.19	264.53	84.75
730	16370	93.18	104.88	40.52	308.46	129.52
2344	15042	93.17	284.8	88.21	33.91	59.77
2702	11164	93.15	222.25	38.73	500.62	201.04
1911	4914	93.12	242.21	59.13	481.7	150.93
2588	20350	92.96	137.74	20.15	236.93	65.42
625	548	92.96	81.78	39.86	400.34	222.78
3713	1475	92.88	193.91	103.16	83.12	266.04
1541	3899	92.83	96.32	41.91	21.95	44.01
3626	4234	92.75	800.15	73.28	615.39	299.27
2268	1903	92.72	56.39	19.03	147.88	56.04
1648	8490	92.72	119.85	32.93	278.97	111.07
186	4330	92.59	755.24	183.96	1521.88	457.64
1765	4444	92.59	129.39	56.52	619.81	352.4
986	23626	92.57	250.14	42.6	140.14	88.8
4011	16592	92.56	214.08	88.03	58.71	22.56
4162	851	92.54	267.66	40.6	437.35	105.76
160	6016	92.54	1064.87	222.3	2103.57	767.23
3214	13283	92.51	411.12	138.92	901.88	273.11
1447	22709	92.51	189.43	17	130.59	38.72
2499	18393	92.43	174.49	24.11	110.39	35.54
1260	3148	92.43	159.76	26.32	96.93	37.58
3274	10887	92.41	51.42	15.37	106.27	32.78
2831	20056	92.35	56.21	14.55	109.74	33.89
2877	134	92.35	42.57	17.12	118.45	52.1
3809	15090	92.17	102.81	11.53	70.7	24.33
3335	18687	92.06	1004.3	203.75	660.4	590.49

1709	22929	91.95	30.04	141.03	1245.69	785.33
2039	21185	91.95	102.23	10.79	185.01	74.91
878	22681	91.95	595.67	194.19	156.78	360.23
2031	20503	91.93	339.6	142.1	908.86	344.4
1253	22746	91.87	716.93	339.36	275.94	128.02
3710	16726	91.85	464.14	97.03	793.26	196.5
2366	18239	91.76	151.7	46.38	30.76	27.09
250	21135	91.74	542.76	101.64	261.69	84.73
3346	20848	91.68	549.32	149.49	258.15	85.41
389	11635	91.64	164.73	26.59	292.15	88.4
633	4242	91.58	168.33	87.42	519.88	210.91
3260	24771	91.56	726.52	109.21	1109.16	317.35
3319	15301	91.47	122.31	39.53	25.52	129.2
3742	16364	91.18	56.87	26.35	179.75	88.24
2981	25055	90.87	525.23	275.37	240.95	544.68
541	8317	90.87	346.03	65.34	636.76	222.22
3737	23895	90.81	122.62	29.34	57.38	19.8
3594	11849	90.71	921.51	68.21	746.33	165.53
3369	18573	90.68	180.81	15.83	133	34
613	3853	90.57	26.76	7.21	52.95	20.3
3667	15175	90.52	163.6	14.59	232.32	67.52
3620	20862	90.49	128.2	36.88	273.07	97.03
3961	16457	90.47	258.16	38.97	168.5	78.82
3284	16681	90.46	448.3	120	137.14	101.66
4191	25084	90.39	72.69	19.58	141.28	54.47
2558	573	90.31	437.54	98.96	895.06	345.38
3322	20914	90.28	699.87	187.45	234.22	310.14
3675	21693	90.15	603.17	91.99	882.78	201.72
1237	18675	90.12	454.84	42.72	801.32	503.38
628	20986	90.1	119.18	41.95	339.57	171.45
3679	24811	90.09	578.74	275.87	1508.7	454.28
3434	19824	89.99	140.97	49.64	374.3	163.61
3647	18316	89.96	214.28	53.79	73.62	59.85
3050	25467	89.94	111.59	66.67	368.48	173.35
3195	3404	89.85	203.83	33.04	126.96	43.38
3341	24767	89.85	250.13	58.48	113.77	45.71
3424	18727	89.8	984.02	129.49	762.82	383.67
3051	3424	89.8	54.38	8.67	34.22	15.48
3090	4450	89.78	105.92	32.55	197.38	61.02
3924	14959	89.78	701.59	85.62	537.61	175.22
3387	10015	89.69	237	51.83	138.38	51.63
3483	8984	89.59	256.58	34.93	180.31	59.1
4158	794	89.53	316.9	115.66	804.35	226.8
2877	135	89.51	151.91	51.95	307.31	109.91
3875	25253	89.35	439.15	56.73	318.54	103.02
1287	2853	89.29	104.78	44.91	57.6	45.88
3866	16809	89.29	70.8	29.74	29.65	25.74
1232	8427	89.11	87.45	26.35	32.28	25.18
3274	10886	89.08	462.77	93.13	979.14	410.34
3257	3202	89	407.43	102.77	231.19	103.1
2353	16081	88.95	255.15	102.05	127.99	198.1
3984	23166	88.92	334.4	89.15	175.55	67.66
4110	22196	88.92	101.03	18.56	47.81	31.85

1217	1058	88.89	586.8	143.21	229.69	139.9
2899	4360	88.87	156.91	28.72	264.82	129.03
3096	23523	88.84	376.63	90.88	197.68	97.87
2995	2505	88.79	384.65	80.74	754.79	191.47
4209	23987	88.76	310.12	73.59	169.54	68.61
3202	17401	88.74	136.51	57.64	434.54	217.31
1214	23417	88.68	366.68	46.07	229.37	72.26
3803	15925	88.64	230.14	21.75	360.92	152.39
562	820	88.5	1406.57	132.95	2101.86	665.57
556	13647	88.47	1553.38	170.97	1019.81	337.66
2871	811	88.31	404.42	69.59	677.51	148.23
23	17613	88.23	489.47	69.01	306.16	126.07
2840	18686	88.18	1174.3	178.47	705.85	614.14
3871	21066	88.12	90.2	8.32	59.32	19.24
3417	12087	88	689.77	141.68	1028.9	314.22
3652	24219	88	519.04	78.12	380.22	189.11
3434	19825	88	137.46	61.65	356.04	162.35
3457	10509	87.99	24.56	33.79	139.01	53.7
3649	9621	87.84	356.7	47.85	281.34	81.86
3258	24597	87.83	433.97	80.84	254.9	98.22

TABLE 5C: F2-A35AAF				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
365	17361	99.76	465.4	15.85	70.5	56.92
2442	6633	99.63	2721.9	145.79	1244.27	324.35
2218	3431	99.58	2282.03	95.33	1041.4	307.24
1148	2354	99.55	2473.4	243.84	814.61	278.23
2744	18783	99.52	969.76	52.82	389.14	111.25
2317	9674	99.47	2964.53	388.34	318.36	283.69
49	11314	99.42	210.81	10.74	98.76	30.4
3073	488	99.42	6027.7	561.1	132.21	675.47
2124	7642	99.39	25.24	7.36	122.71	35.14
3073	489	99.39	3010.61	579.81	28.39	314.03
1946	14915	99.34	364.58	11.61	651.15	127.71
203	576	99.31	13467.46	957.77	5036.89	2288.1
689	22308	99.31	1797.84	75.16	836.54	291.67
1300	21838	99.31	530.29	32.3	144.89	65.27
1344	15644	99.31	3282.22	154.8	1365.06	377.51
901	402	99.28	3479.28	356.12	1200.88	402.49
3207	12371	99.21	820.55	39.84	436.85	103.6
3074	20703	99.21	2097.24	218.18	445.61	475.54
2334	21568	99.18	387.2	59.93	66.66	49.26
631	16168	99.18	2842.14	391.1	843.91	334.23
2508	4731	99.18	630.63	83.09	53.16	72.49
4024	6988	99.18	1859.96	133.03	418.38	358.76
3982	15189	99.15	9040.72	797.65	1642.76	1621.76
1783	5074	99.1	680.56	105.88	159.37	81.21
1252	22733	99.07	131.62	29.56	26.25	19.84
997	24251	99.07	774.57	183.14	89.9	136.32

2554	19094	99.07	1509.53	97.37	671.61	213.71
3283	24693	99.05	3440.67	383.03	1339.56	405.81
772	23448	99.02	5041.09	606.79	1080.14	841.22
2983	21097	99.02	3471.1	596.73	917.65	369.32
2175	22906	99.02	3043.86	262.05	555.72	407.05
264	12119	98.99	453.96	53.75	139.38	67.46
1327	21192	98.97	244.01	37.63	54.97	44.13
2345	13619	98.97	582.87	212.66	78.86	65.87
789	16945	98.97	1142.64	44.73	719.51	140.06
3968	21098	98.97	4149.17	792.71	1142.94	519.04
747	15577	98.94	4922.47	465.18	1894.34	655.5
325	13772	98.94	1933.6	166.88	949.45	272.76
121	21407	98.91	167.81	19.34	50.91	27.83
543	3427	98.89	295.17	46.28	79.31	39.52
826	22677	98.83	499.84	129.52	120.8	70.88
384	14353	98.83	108.46	5.03	37.15	21.44
3516	23606	98.83	1758.71	232.19	403.13	213.74
2784	14842	98.81	297.77	31.44	121.4	53.68
1662	10359	98.81	85.15	11.31	23.57	16.94
328	6676	98.81	355.86	72.96	84.16	43.34
3516	23608	98.81	1435.68	201.61	396.94	181.58
3817	13369	98.78	343.65	35.87	165.97	41.62
3109	24825	98.78	2506.93	234.79	893.47	382.59
3559	23388	98.75	345.34	34.6	147.93	102
4249	1391	98.75	39.18	3.43	98.01	30.27
2489	13762	98.75	46.33	5.65	154.4	52.08
1757	5091	98.75	74.76	6.03	271.64	116.81
3073	20705	98.75	4600	601.85	1018.01	931.47
2641	2096	98.73	2945.68	151.15	1579.06	371.09
3713	8661	98.7	60.27	12.18	26.82	156.84
256	2924	98.7	979.5	29.63	573.16	160.03
2292	17847	98.7	389.19	18.95	706.23	149.21
1466	7299	98.7	569.47	58.14	88.6	155.66
928	18661	98.7	240.96	20.9	552.56	138.79
2081	5953	98.7	1771.96	340.39	182.86	214.68
1561	3428	98.68	316.29	49.64	91.5	54.81
2288	16739	98.65	1223.81	120.04	673.83	160.03
718	4801	98.65	138.57	11.15	258.17	56.04
697	2559	98.65	204.94	10.74	104.41	38.17
651	19171	98.62	29.65	6.81	72.6	15.9
306	18961	98.62	170.77	47.99	485.94	123.07
2231	23449	98.62	4262.69	829.5	841.9	682.13
2397	6765	98.6	51.84	15.13	173.97	64.77
2042	3429	98.6	863.81	198.42	238.2	85.75
3103	9424	98.6	2788.81	418.61	1009.35	372.41
2542	4703	98.6	1936.47	392.17	419.4	227.09
1000	17844	98.57	583.08	60.85	182.1	91.47
1196	3082	98.57	647.21	66.36	259.22	93.3
932	16489	98.54	372.88	21.58	197.44	108.77
1523	16169	98.54	3708.34	694.46	912.51	586.83
3074	20704	98.54	4377.39	436.37	1296.37	834.9
521	22862	98.52	155.48	19.85	455.11	165.39
3229	3430	98.49	905.4	174.49	234.71	133.32

1850	3764	98.46	78.81	9.84	169.44	45.64
3723	18640	98.46	73.66	8.18	159.23	38.16
1896	22948	98.46	698.06	61.97	253.14	129.78
1233	1995	98.46	4450.02	191.09	1930.89	961.9
1556	18986	98.44	120.7	6.34	58.76	24.88
2720	23230	98.41	129.99	15.49	301.95	104.95
1325	22840	98.41	2150.77	371.94	873.56	255.44
2556	22995	98.41	108.04	24.68	770.22	484.94
1382	16112	98.38	100.66	14.65	30.7	29.19
1105	15885	98.38	181.75	9.08	98.99	31.09
3229	25567	98.38	800.34	158.53	143.45	137.51
891	12306	98.36	3670.28	606.61	1139.76	514.14
2206	15191	98.36	6104.45	714.18	1208.94	1310.23
268	11726	98.33	910.25	144.38	136.53	177.2
3520	6891	98.3	257.9	22.2	544.55	219.8
1824	13222	98.3	467.46	82.02	244.45	49.58
979	23555	98.28	104.81	11.51	29.18	31.84
2077	22204	98.28	381.62	78.35	105.88	93.58
1117	2905	98.28	98.4	39.13	498.34	189.96
2742	13462	98.25	108.27	5.23	60.47	26.98
2156	2331	98.25	2057.48	601.45	247.98	255.46
115	19103	98.22	401.31	12.9	745.27	234.46
3535	353	98.2	330	73.87	59.44	123.05
567	9254	98.07	76.91	12.28	183.99	48.15
3344	355	98.04	191.66	29.67	64.68	37.89
3895	8641	98.01	599.23	44.21	221.07	143.09
3167	25284	97.88	106.74	33.48	36.04	36.55
3982	15190	97.88	8422.33	1226.76	1823.47	1684.19
3812	24204	97.75	147.09	19.64	71.88	19.82
3535	354	97.59	377.35	126.64	81.44	151.82
4092	15462	97.59	365.31	12.52	545.84	120.22
3684	11611	97.54	85.4	3.78	151.89	45.52
3651	1920	97.54	1321.53	174.27	439.98	267.69
394	21707	97.54	330.22	116.74	40.53	50.49
3863	15642	97.48	789.63	109.72	375.46	159.27
3535	351	97.46	123.9	50.73	21.95	52.72
3492	21063	97.43	108.69	12.97	45.97	23.01
3517	24284	97.43	89.1	22.22	30.54	16.02
428	16167	97.35	56.24	14.28	20.57	10.19
3239	20826	97.35	95.36	11.37	220.81	69.9
3528	15755	97.32	400.8	35.16	741.3	180.52
3378	16450	97.32	127.65	5.05	249.03	92.1
3659	14956	97.24	156.58	22.76	67.47	29.39
3083	20744	97.22	1465.02	266.9	345.62	298.71
3965	23321	97.11	154.57	8.99	238.22	65.16
638	2480	97.01	132.09	6.03	235.55	74.18
581	19085	96.98	199.82	21.43	86.52	46.2
1507	1876	96.95	477.08	19.96	774.36	202.87
4041	10544	96.93	303.76	19.68	179.51	71.34
3216	1521	96.93	396.47	85.1	151.07	75.31
341	24161	96.93	256.17	14.6	460.56	124.42
3666	17448	96.9	94.48	3.93	54.09	36.86
607	2727	96.79	34.54	4.68	89.98	57.66

3030	64	96.66	54.97	9.05	134.71	44.08
2794	17108	96.56	83.1	10.81	156.26	38.92
3840	16362	96.56	29.38	5.67	68.14	21.64
4170	1602	96.56	266.42	25.42	467.04	109.06
3392	20750	96.53	104.81	5.33	165.33	49.28
3255	17807	96.53	3744.42	281.96	2043.09	724.62
71	1607	96.53	21.01	6.24	57.63	21.56
445	18897	96.53	44.4	11.48	122.52	46.47
581	19086	96.53	295.45	38.01	121.95	69.5
3825	15996	96.5	154.51	10.49	108.43	137.77
4041	10545	96.48	401.96	37.45	217.75	88.4
2814	17083	96.37	20.27	9.78	73.45	28.57
4147	1337	96.37	65.45	3.94	118.09	33.49
44	19472	96.32	897.02	68	581.9	129.53
3856	24778	96.29	928.18	500.92	109.71	256.24
3864	17653	96.24	113.09	7.92	61.18	28.86
3856	24779	96.21	2006.24	1054.73	217.61	424.3
2941	5616	96.21	2061.18	139.61	1253.28	378.26
3036	17344	96.21	151.89	11.96	83.46	31.1
4134	734	96.18	57.15	3.78	30.41	15.51
661	2192	96.13	86.01	12.91	39	20.84
3799	20902	96.08	54.98	6.13	108.3	36.68
3414	18713	96.05	575.2	47.7	332.73	111.84
456	15558	96.03	533.62	64.05	309.56	116.77
3638	12996	96	153.56	22.85	316.24	136.38
3659	14957	95.84	237.18	39.21	126.07	46.49
4090	357	95.84	153.81	26.35	74.2	34.31
3839	19018	95.81	176.71	22.9	356.97	119.04
2824	2435	95.81	242.07	6.34	189.05	46.62
3280	20745	95.81	236.14	4.13	308.75	84.22
1525	23949	95.76	57.07	2.28	40.34	13.2
3010	17123	95.73	162.76	7.62	108.56	36.69
3401	23491	95.73	48.95	12.12	140.25	66.72
2904	12485	95.73	95.61	14.66	39.24	23.66
3914	9952	95.6	302.46	19.52	194.72	53.2
4194	20597	95.6	3322.9	273.36	1846.93	665.77
4220	24577	95.57	1467.77	128.16	908.77	231.99

TABLE 5D: ACYCLOVIR				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 168 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3304	24437	98.65	132.94	10.16	61.21	30.08
3120	1850	98.54	7439.53	1200.53	2452.29	1064.48
841	15319	98.3	165.75	16.82	41.86	48.28
1628	5573	98.28	11707.8	1460.75	4907.84	1872.31
2666	7782	98.22	382.92	78.96	166.8	50.15
3741	12577	98.17	1083.97	450.64	155.27	133.19
1086	2433	97.43	43.41	9.66	113.7	41.33
4157	953	97.35	143.65	18.27	43.42	50.89
3130	1371	96.98	170.11	35.96	43.11	41.08

1026	23936	96.92	418.52	172.39	127.64	96.78
4017	4949	96.9	528.82	103.32	192.71	146.19
1931	17253	96.71	679.98	125.29	227.91	162.63
1035	24091	96.63	117.99	15.66	56.4	31.29
4285	1818	96.63	4292.78	562.45	2102.97	821.16
1704	7775	96.6	249.84	9.28	148.42	66.17
1703	11024	96.45	314.88	46.78	123.23	76.26
812	20866	96.37	492.96	33.89	717.18	125.25
1522	19560	96.37	617.4	63.01	350.56	115.93
3228	21681	96.26	79.56	4.86	45.58	23.88
272	12989	96.18	738.95	161.44	411.91	128.46
2855	16610	96.1	38.23	13.28	148.31	75.56
2816	25938	96.1	58.95	19.4	22.7	13.38
3191	19392	96.1	2263.49	176.11	1455.38	352.59
1481	6792	96.05	137.97	25.43	34.15	59.56
942	12318	96.05	238.89	31.77	92.91	67.84
413	16322	95.94	111.22	18.8	56.97	45.39
871	18855	95.94	296.36	33.32	172.39	52.35
2407	12413	95.89	124.67	10.46	63.11	26.89
1752	9469	95.65	108.95	25.78	38.06	35.95
3323	15141	95.52	82.66	5.39	146.24	47.97
1180	26120	95.41	106.92	17.97	41.94	37.42
721	11467	95.41	276.6	29.69	157.5	62.29
210	24654	95.41	127.95	23.96	59.42	29.7
1770	24165	95.31	132.96	21.54	51.41	38.15
2959	25371	95.2	108.54	16.35	55.24	42.88
1531	19617	95.15	122.8	17.48	66.69	37.26
1521	10748	95.12	164.96	19.69	78.89	41.91
765	12379	94.93	116.99	41.46	29.45	38.72
1549	5419	94.93	591.37	45.5	367.69	109.85
4281	1620	94.75	193.74	14.11	127.65	54.84
1398	9349	94.75	227.24	39.09	461.67	137.68
1484	7402	94.72	600.6	136.76	277.76	152.71
2432	21822	94.69	220.83	22.24	347.87	82.87
1417	15443	94.64	507.29	66.07	329.15	93.55
241	17315	94.62	73.84	8.68	147.6	47.73
1878	4782	94.59	465.9	98.75	206.06	109.04
1630	8232	94.56	71.2	21.75	27.57	21.24
4202	25679	94.46	1272.17	80.2	883.83	245.87
3500	21204	94.46	25.69	6.21	63.31	25.05
681	18477	94.43	491.48	69.01	234.52	139
2963	43	94.4	237.7	37.16	435.9	131.45
2441	11875	94.4	156.7	16.39	86.33	41.99
2320	1572	94.32	130.07	16.87	73.12	32.48
2654	6532	94.22	195.2	15.83	140.89	43.86
3418	18705	94.22	163.21	24.57	100.36	38.41
3038	25446	94.19	88.29	10.78	52.3	30.43
967	23360	94.16	111.38	15.42	199.65	47.65
66	18880	94.11	46.57	7.89	24.92	12.35
1500	7574	94.06	114.8	19.79	50.3	37.43
904	16635	94.01	921.58	28.98	716.64	167.12
1343	3882	93.98	1119.14	114.67	740.08	259.65
1711	11097	93.98	193.12	23.75	115.43	69.24



4247	25091	93.98	149.03	22.2	80.25	36.98
2467	23573	93.95	174.19	28.54	294.78	73.15
3739	25431	93.95	41.13	5.35	22.01	17.88
165	4017	93.95	28.18	4.84	76.12	29.66
1718	9795	93.9	82.86	8.09	35.07	27.61
3350	24392	93.87	166.01	26.05	100.78	41.69
3018	1241	93.79	74.64	7.58	46.75	21.79
2145	23325	93.77	111.13	31.41	238.81	74.06
1122	2940	93.77	396.39	68.1	242.4	68.72
704	15275	93.74	370.25	30.08	549.29	127.48
843	24140	93.71	653.58	88	340.86	180.28
258	21171	93.71	486.02	61.91	288.08	146.91
1567	22179	93.71	152.3	17.79	92.19	37.32
2056	3013	93.63	231.72	19.6	322.78	56.93
1023	23919	93.61	353.83	32.11	509.75	98.59
3971	6397	93.61	402.11	55.28	240.53	86.25
317	21713	93.53	239.64	40.05	126.93	69.6
1544	17625	93.45	89.85	18.1	33.84	37.55
2040	21254	93.42	108.66	7.07	159.88	39.48
752	4997	93.42	112.43	16.52	65.04	31.6
3640	25058	93.4	129.64	14.9	78.89	42.23
971	23492	93.24	558.38	60.81	315.42	167
2707	26330	93.24	206.25	33.8	56.05	99.49
3468	23178	93.21	62.88	19.62	119.13	28.73
1695	11006	93.21	96.53	23.11	37.78	32.23
777	21010	93.18	927.95	80.61	675.82	297.52
4	4438	93.18	69.83	14.3	38.19	21
676	23332	93.18	49.84	8.13	29.87	10.4
2149	26222	93.13	712.69	171.32	377.49	180.12
215	6267	93.05	219.4	21.37	136.82	51.96
1013	23792	93.05	474.69	76.88	303.57	104.6
1038	1095	93	515.53	120.95	202.63	245.36
1215	954	93	70.24	14.23	41.38	19.02
1176	26116	92.97	805.04	137.76	357.48	307.06
1596	5890	92.97	341.08	31.14	216.05	96.95
3124	24545	92.94	56.24	6.42	33.16	15.85
2889	22543	92.89	1472.79	110.24	988.12	324.41
4055	18356	92.89	115.28	19.72	60.25	32.14
17	18159	92.84	165.12	62.8	76.18	74.36
3394	24757	92.79	110.9	12.56	77.65	31.84
1433	1828	92.73	137.56	23.02	81.27	29.4
3403	18820	92.63	195.83	32.2	121.96	45.66
2793	25855	92.63	156.64	16.02	97.97	38.61
3400	4592	92.49	97.2	6.35	153.32	53.12
1197	1962	92.39	180.33	20.16	327.42	137.32
3483	8983	92.25	376.05	45.59	267.94	71.18
406	22978	92.18	58.26	12.4	119.57	42.17
520	17437	92.15	39.53	6.33	21.1	14.1
1441	1205	92.12	80.17	13.11	49.9	28.86
3270	18957	92.1	204.12	25.54	371.78	149.6
2923	1577	91.91	81.48	15.48	40.08	25.87
3448	20266	91.78	213.58	36.53	135.98	68.9
3288	20859	91.75	68.89	9.07	41.95	20.52

3109	24825	91.75	1477.2	213.31	895.58	390.05
4270	537	91.62	2992.94	223.6	1997.2	610.38
1245	25216	91.49	80.38	8.02	52.52	36.06
3035	239	91.41	106.57	7.06	160.5	44.26
3593	16104	91.38	73.23	5.38	52.41	16.39
38	20971	91.17	37.12	6.04	61.51	17.79
2854	25270	91.14	40.53	7.92	22.96	11.62
3905	23550	91.11	53.12	5.97	36.27	14.76
497	18269	91.09	229.04	30.64	161.26	56.44
3333	23826	91.06	205.39	25.77	145.07	57.76
3933	20879	91.06	237.75	99.55	624.44	271.14
3120	1854	91	5989.94	1067.84	1960.62	928.56
1211	24414	90.98	214.81	28.42	145.16	45.21
3541	1161	90.8	158.12	8.83	118.86	40.83
3189	17393	90.8	64.9	10.38	141.33	82.12
3087	20313	90.8	33.99	2.55	23.71	11.79
508	20616	90.8	20.76	11.02	47.06	15.49
4051	25565	90.77	35.24	8.43	21.65	11.21
2890	21863	90.72	93.95	19.57	55.69	44.2
3360	20863	90.69	133.68	20.51	88.73	44.09
3309	20529	90.66	408.02	110.56	131.01	191.19
4085	110	90.66	503.37	54.07	731.9	345.78
577	13575	90.56	46.55	13.28	113.49	48.34
525	4474	90.53	23.57	6.47	60.76	28.91
1242	21957	90.5	154.67	5.28	172.91	52.77
483	22858	90.5	87.81	13.46	144.83	43.48
1248	2947	90.45	23.96	2.43	41.7	17.39
3498	20959	90.42	77.19	14.15	138.95	45.32
3359	20373	90.34	121.97	12.49	88.11	32.59
3732	21103	90.32	92.02	16	175.68	69.78
2795	7176	90.32	85.81	17.55	56.97	38.24
2218	3431	90.21	1348.86	106.14	1043.55	313.38
3154	11137	90.19	230.57	28.06	415.06	158.7
1200	1201	90.11	94.59	23.98	48.92	39.31
4181	412	90.1	4054.73	1526.53	1634.46	811.9
3498	20960	90.08	272.02	29.9	396.72	94.07
3324	5747	90.08	53.68	23.71	125.82	48.71
3324	5749	90.08	112.79	13.77	197.79	85.51
2799	19900	90.08	136.38	14.08	98.21	28.18
4070	25513	90.08	731.9	39.49	575.78	213.73
3648	16165	90.05	45.74	6.02	29.35	11.29
2825	10098	90.05	41.51	5.18	68.56	21.67
2839	21051	90	84.29	10.88	169.02	87.64
2806	20615	89.97	41.16	9.96	84.15	29.66
3696	17535	89.95	92.08	9.61	151.64	51.7
3043	25060	89.95	64.18	7.94	30.95	26
3752	15791	89.92	158.14	27.64	101.53	78.26
550	7226	89.87	25.49	7.91	66.44	31.22
4144	699	89.86	1045.91	208.34	610.13	156.14
3489	12423	89.81	103.4	15.44	168.78	72.48
3479	5666	89.73	55.55	15.61	97.65	30.58
2948	25350	89.71	42.92	5.54	28.71	14.66
2811	25930	89.71	34.55	5.77	22.05	10.16

4148	1731	89.68	53.64	5.68	83.97	30.8
------	------	-------	-------	------	-------	------

**TABLE 5E: ACYCLOVIR**

**Attorney Docket 44921-5038-01-WO**

**Timepoint(s): 6 hrs**

**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2852	2515	99.87	1144.07	3.21	616.7	182.21
1458	4066	99.71	702.5	14.72	318.68	120.63
2277	14425	99.66	4152.48	152.25	450.36	417.41
2941	5616	99.58	2570.17	93.46	1253.32	376.74
2112	22745	99.55	44.15	3.01	197.66	77.65
618	13332	99.52	55.25	2.55	229.32	83.77
2102	11504	99.52	292.31	5.53	705.57	225.34
1336	26133	99.5	1021.29	157.7	191.44	215.62
3982	15190	99.5	8433.47	273.66	1830.44	1697.78
2680	19057	99.47	167.29	8.72	41.63	38.95
3197	11904	99.47	262.29	24.12	60.27	43.1
776	5110	99.44	653.88	12.01	322.98	112.71
393	14138	99.39	22.3	0.54	52.46	17.56
1811	19011	99.39	635.67	15.89	288.81	88.81
797	18441	99.36	94.63	1.96	45.51	36.15
1931	17253	99.36	836.31	55.1	228.62	163.12
1654	8522	99.36	438.83	27.58	150.16	76.94
1963	14459	99.34	12045.8	1339.3	4350.03	1989.67
3429	23424	99.34	2446.66	191.34	1172.02	288.12
1364	6957	99.34	83.56	0.4	51.2	39.64
4091	2010	99.31	8060.59	657.65	2676.99	1244.35
2669	14676	99.31	189.06	6.42	88.64	38.32
1479	21933	99.26	10857.25	530.93	4996.18	1771.86
648	19411	99.26	120.91	6.21	33.85	21.7
3120	1850	99.26	8072.18	746.51	2461.85	1084.73
2841	3292	99.26	9836.38	699.32	2553.89	1359.56
2613	13598	99.21	207.19	10.82	462.12	134.04
2055	13361	99.15	329.36	24.47	183.07	38.88
2638	22866	99.13	722.84	41.25	336.65	98.55
3120	1854	99.13	7030.9	853.85	1967.49	939.44
3427	17340	99.13	4083.25	378.34	1199.38	587.15
2130	6057	99.1	472.75	101.92	111.99	139.7
1304	4833	99.07	78.51	7.56	23.2	24.26
284	14324	99.07	190.27	43.09	23.97	29.31
1952	7122	99.02	1044.44	129.84	404.68	103.95
283	21353	99.02	590.95	16.35	1384.78	367.59
3293	21975	98.99	557.38	36.86	267.94	81.26
1718	9795	98.99	123.87	9.97	35.11	27.51
3925	15961	98.99	181.02	11.53	48.89	44.68
3559	23387	98.99	207.06	30.37	33.25	48.56
2585	11269	98.94	27.31	8.89	136.12	54.87
1551	4892	98.91	517.45	66.01	141.54	300.27
223	10988	98.91	103.04	8.31	25.66	47.81
4285	1818	98.91	4538.23	294.03	2107.22	825.91
1497	1114	98.91	1557.24	210.93	565.57	203.41

2962	25052	98.89	191.81	53.51	33.71	140.25
1805	19769	98.89	1924.5	204.43	755.08	257.12
4030	20698	98.86	3758.5	477.45	895.05	433.8
3529	1053	98.84	163.4	1.19	131.89	45.21
681	18477	98.84	409.66	7.27	235.19	139.61
2236	5579	98.84	389.13	64.82	137.55	47.31
2229	21740	98.84	2272.65	286.88	736.34	295.24
773	4904	98.81	1015.24	22.26	575.81	199.2
3876	25290	98.81	224.01	20.84	50.46	74.59
2564	21242	98.78	181.55	6.32	389.85	129.26
2032	4274	98.76	571.79	62.71	267.12	80.09
3466	13480	98.76	342.7	21.43	728.43	183.37
4181	412	98.73	3290.22	187.08	1640.8	826.12
2917	26368	98.73	115.98	0.54	160.52	113.24
901	402	98.73	2683.6	204.1	1204.56	415.08
1707	9669	98.7	83.77	2.19	48.68	22.92
132	15094	98.7	224.06	23.05	88.9	37.46
3878	9527	98.7	78.99	3.4	236.15	129.31
1951	19064	98.7	284.38	16.82	159.62	44.27
1150	3268	98.7	310.57	12.76	158.54	48.48
1585	20524	98.68	224.04	58.85	23.35	47.45
228	10695	98.65	558.14	65.92	253	154.76
1065	2304	98.65	404.56	15.67	221.82	85.74
1600	24374	98.65	481.1	98.37	122.3	75.36
278	21310	98.62	293.66	20.94	118.39	79.64
3982	15189	98.62	9903.79	1520.73	1649.22	1631.77
3044	4199	98.6	1568.46	103.75	891.14	203.93
2155	8053	98.6	127.84	0.53	173.34	101.01
490	17039	98.6	73.85	0.55	108.8	32.11
2141	21564	98.57	161.83	1.88	241.1	44.62
435	20701	98.57	2765.01	300.14	880.19	387.19
2191	18581	98.54	1060.08	64.13	583.75	157.39
2737	17950	98.54	268.48	37.07	107.03	40.18
2474	21446	98.54	85.24	0.44	103.22	34.05
1402	6547	98.54	768.52	78.09	253.04	199.16
3133	20354	98.54	437.67	64.63	51.75	57.48
3019	20699	98.52	4872.96	438.32	2130.27	820.77
2788	3467	98.52	42.97	3.79	126.09	53.01
1941	12142	98.52	1579.83	43.54	910.2	278.22
2644	4026	98.52	914.06	118.53	373.41	130.85
1410	24200	98.52	1653.04	218.48	438.39	248.23
522	1159	98.49	87.49	16.35	275.08	107.4
1833	13305	98.49	63.56	13.97	268.13	99.69
1489	7451	98.49	2799.51	426.88	1138.17	304.14
470	21917	98.49	479.47	138.76	74.58	63.83
2299	7318	98.49	27.05	0.27	26.03	44.21
1174	3773	98.49	344.19	42.84	67.6	60.3
2206	15191	98.46	7522.56	1192.86	1211.88	1309.42
2700	19052	98.46	674.46	97.73	266.82	79.31
1516	7736	98.44	30.14	4.35	99.18	38.67
3335	18687	98.44	445.98	3.15	662.38	590.11
1905	24211	98.41	122.68	5.08	277.05	108.57
1583	169	98.41	237.82	32.93	84.07	35.94

1754	10944	98.41	64.49	1.97	29.83	30.56
179	6056	98.41	51.55	0.98	22.01	53.36
3883	15151	98.39	34	2.9	67.72	18.49
615	3131	98.33	323.3	4.01	436.11	155.15
3357	5622	98.31	2803.59	276.46	1593.53	374.33
3087	20313	98.28	43.64	1.34	23.71	11.76
3057	22515	98.28	781.48	262.01	128.68	396.37
961	1809	98.28	310.57	124.78	135.11	741.7
3637	9369	98.28	454.59	24.36	205.98	92.12
3057	22513	98.25	2024.79	1015.66	35.39	788.1
3801	18795	98.23	1052.33	44.11	541.08	204.55
3080	25317	98.2	3169.06	371.09	1382.21	465.22
109	23368	98.2	20.29	2.72	76.21	35.32
584	20088	98.2	86.53	4.33	167.12	48.51
3435	20090	98.2	325.25	97.77	109.24	41.45
4290	1561	98.09	1597.16	175.74	871.83	221.15
2946	15378	98.07	25.66	13.82	119.02	37.81
3625	18597	97.99	452.82	3.45	605.52	200.99
2862	1354	97.96	61.13	5.66	262.53	221.68
3583	16564	97.96	512.39	78.58	215.32	84.22
393	14139	97.94	21.62	1.48	52.8	18.28
600	17589	97.94	154.28	25.6	33.41	33.9
981	23561	97.94	143.78	4.87	82.16	29.25
3309	20529	97.88	636.99	164.61	131.24	190.69
3567	1221	97.72	421.99	139.65	32.51	122.03
2989	24860	97.72	291.72	3.23	390.7	272.94
3016	1844	97.72	314.48	62.82	114.83	63.86
3583	16562	97.7	502.07	109.41	205.9	72.48
294	16132	97.67	6910.51	137.1	3399.35	2221.37
3282	21663	97.64	163.18	37.08	467.03	159.4
3080	6477	97.64	4953.15	635.28	2260.24	859.45
4185	20168	97.59	262.41	109.62	53.14	74.98
3998	15134	97.54	398.07	26.44	736.12	183.35
2836	19703	97.49	36.01	12.17	111.4	38.69
3085	16080	97.49	218.9	76.7	71.37	143.14
4073	25520	97.49	131.85	2.21	100.64	40.44
3019	20700	97.46	7780.24	1061.32	2936.46	1587.23
3746	13164	97.43	9474.57	689.84	3784.84	2461.92
498	9905	97.43	405.22	24.17	647.49	151.36
3401	23491	97.41	48.52	7.81	140.16	66.75
912	1798	97.38	5998.85	389.31	2791.58	1330.94
3877	17709	97.38	139.77	20.06	37.95	42.38
4292	25797	97.38	61.12	6.48	28.61	21.9
4020	15703	97.33	257.65	15.7	133.5	50.58
97	24228	97.3	1472.31	59.23	978.47	263.43
637	21980	97.27	1042.81	153.04	505.29	161.45
3229	25567	97.17	173.36	4.43	145.14	141.7
4144	699	97.17	1043.85	148.55	611.05	157.63
3080	6478	97.14	8793.2	1557.95	3227.07	1789.85
3201	730	97.11	25.99	0.68	46.47	36.75
2909	4397	97.09	61.13	3.3	33.02	17.06
573	17468	97.06	380.46	12.17	562.15	116.39
3810	18644	97.04	3730.28	140.75	2174.68	809.71

3013	16305	96.93	549.44	65.09	1145.99	358.8
3216	1521	96.9	396.76	84.68	151.33	75.74
2803	5545	96.9	2504.37	135.61	1488.19	573.11
4268	25747	96.9	721.3	98.79	425.68	233.76
600	17590	96.85	248.74	79.09	106.14	46.42
4093	1583	96.77	52.3	5.92	28.62	14.14
3316	17563	96.72	2590.83	193.84	1607.6	436.46
606	12848	96.69	86.03	9.48	194.04	65.28
3484	9240	96.56	227.42	7.18	338.5	82.66
2849	25041	96.53	45.23	1.14	101.87	66.17
3349	20778	96.53	38.89	4.82	74.1	18.65
3241	15613	96.53	482.03	28.45	1181.46	811.46
636	12312	96.53	350.33	106.28	973.18	267.1
814	17157	96.53	53.77	8.13	23.37	16.88
1525	23949	96.53	75.43	9.76	40.33	13.15
394	21707	96.51	183.37	73.24	41.07	52.53
625	548	96.51	53.6	25.79	399.37	223.1
2353	16081	96.51	318.63	127.02	128.29	197.9

**TABLE 5F: 2-AAF** Attorney Docket 44921-5038-01-WO  
Timepoint(s): 24, 48 hrs Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2278	10611	99.47	363.63	98.16	23.36	34.41
3156	17541	99.28	5057.19	615.94	1614.18	595.31
218	17097	98.73	213.97	24.02	66.58	45.79
2402	7324	98.41	524.02	190.61	91.83	80.77
4230	25705	98.41	1888.73	455.8	737.95	180.35
3310	18445	98.38	612.92	368.87	186.97	63.66
273	21275	98.11	589.96	154.23	204.39	89.27
3178	20755	98.04	376.4	218.11	54.36	58.29
3178	20757	97.98	940.29	301.2	271.71	121.46
3730	17474	97.85	501.14	128.44	197.27	54.31
2281	8638	97.61	381.87	111.31	204.32	43.63
3472	20915	97.5	1993.24	509.86	528.47	351.25
346	6344	97.42	105.03	33.93	39.25	21.1
2314	17239	97	765.95	119.46	447.2	100.85
3101	18726	97	152.74	19.37	363.54	114.88
1092	11324	96.79	142.32	27.99	320.89	95.7
826	22677	96.76	271.76	111.37	121.08	72.74
3250	18989	96.68	3106.24	554.98	1470.05	682.57
2135	20867	96.52	552.43	66.7	327.43	75.39
3251	21013	96.42	5732.48	728.09	2600.22	1200.14
4042	12700	96.39	513.97	181.51	1374.12	410.69
927	23035	96.18	219.87	57.58	622.4	217.65
640	1562	96.18	364.5	89.44	883.93	224.47
1301	15366	96.04	1224.68	131.98	845.37	146.49
2033	8213	95.78	7294.78	1359.3	3424.5	1369.31
1373	4268	95.65	873.06	83.51	482.67	185.97
3896	10498	95.65	2112.71	211.88	1355.31	307.99
3813	16123	95.54	21.98	4.22	82.89	68.35

3101	18725	95.43	74.32	18.61	215.35	84.88
3445	17100	95.35	1311.34	145.25	854.84	192.39
1311	7524	95.3	899.76	122.53	574.07	163.52
3926	18846	95.27	238.88	26.19	160.96	34.63
688	22051	95.27	295.3	36.19	154.8	65.27
389	11635	95.25	124.9	23.96	292.35	88.09
891	12306	95.14	353.02	127.81	1150.24	528.73
1802	11954	94.77	2749.1	383.91	1701.87	479.59
166	5923	94.64	111.72	15.22	222.33	75.1
1278	24359	94.61	177.24	32.92	98.57	37.57
1276	4084	94.48	324.05	36.14	193.19	63.84
1133	3496	94.4	175.6	15.41	103.45	39.7
3573	7872	94.37	183.73	15.68	294.36	82.2
3604	20807	94.26	1294.76	131.56	908.21	210.95
211	7208	94.13	448.27	25.87	653.67	153.76
1176	26117	94.08	343.68	36.04	258.54	309.43
1524	3167	94.08	436.32	30.55	276.79	105.19
1056	2481	94.03	70.55	6.74	144.33	60.72
89	18430	93.95	35.25	6.58	76.24	27.02
1377	12629	93.84	31.74	10.56	86.43	33.2
1045	2725	93.81	215.82	22.77	79.66	98.99
3777	7219	93.79	673.4	85.14	1084.53	245.06
2600	3917	93.73	2451.68	254.31	1580.15	508.47
559	8159	93.71	57.07	5	88.12	24.03
4016	12450	93.71	29.18	24.08	161.75	91.33
2510	8036	93.68	84.19	20.89	189.6	67.54
2411	1651	93.57	171.33	32.77	342.1	92.51
2280	547	93.55	541.96	57.79	373.56	91.45
4210	18250	93.52	1304.61	170.81	951.9	200.34
4211	20872	93.41	1781.42	515.41	759.82	252.39
3127	24722	93.36	440.04	122.05	824.89	216.07
2995	2505	93.36	382.22	104.6	754.8	191.4
4291	1541	93.1	105.18	14.88	192.84	82.76
580	15876	93.1	1761.1	105.69	1389.23	225.59
1587	18932	92.82	159.74	54.06	40.77	21.23
498	9905	92.75	440.45	52.18	648.09	151.2
151	5996	92.67	95.01	37.44	230.35	78.41
1168	6789	92.64	551.05	225.19	177.9	57.01
3603	16938	92.59	2923.07	893.54	1361.16	248.67
1266	22056	92.59	2498.16	241.82	1887.96	398.11
324	18243	92.51	394.05	60.71	252.87	74.78
4060	25481	92.49	3988.37	197.17	3059.38	1747.25
1553	5464	92.45	958.08	216.78	325.88	139.14
3573	25453	92.43	202.24	26.73	324.24	79.97
2405	21288	92.35	697.49	144.01	410.02	142.37
2828	20082	92.35	168.07	67.91	40.01	43.71
1033	24069	92.35	52.83	3.68	36.35	44.76
2626	3075	92.35	290.02	51.47	164.28	138.3
4092	15462	92.25	342.69	69.69	546.33	119.8
253	14604	92.22	62.85	8.55	128.94	58.43
2377	19828	92.16	127.27	51.58	49.2	19.81
3273	1550	92.11	140.59	61.81	432.45	211.35
3273	1551	92.11	467.63	162.57	1028.69	368.82

4036	16963	92.06	7192.74	557.77	4276.46	3533.62
3563	24798	92.06	307.29	54.8	572.48	198.9
3017	26030	92.06	1137.36	198.53	718.85	238.5
3090	4449	92.03	104.37	32.44	239.38	93.06
326	19158	92.01	158.19	18.23	109.65	29.45
319	21529	91.93	173.48	34.53	324.55	97.53
2642	1653	91.9	240.4	57.33	387.22	96.17
1866	7184	91.87	446.68	113.54	144.22	68.71
1954	18943	91.87	830.17	200.19	369.16	110.57
855	2655	91.82	715.14	177.44	284.2	167.02
19	4206	91.69	693.93	61.58	496.07	122.63
4237	15875	91.66	1576.78	190.53	1092.87	256.65
1562	19300	91.61	279.01	42.08	119.87	105.2
946	22715	91.53	694.54	18.81	818.88	151.03
176	6234	91.48	136.85	13.31	78.02	38.86
280	21327	91.45	1836.82	123.98	1363.29	330.61
3730	17475	91.42	400.19	69.02	206.94	60.23
4291	1542	91.42	115.67	26.47	228.61	86.9
4004	17684	91.37	183.88	38	321.76	88.66
3663	18368	91.37	255.56	50.24	427.31	108.1
2332	14983	91.24	6864.29	613.23	4022.7	3462.48
2905	21011	91.2	5198.1	676.85	2347.81	1049.52
4164	958	91.05	160.75	31.99	300.44	137.39
3425	18724	90.95	215.7	48.15	425.56	146.34
2920	16130	90.92	6035.7	494.5	3520.51	2335.7
4273	764	90.92	46.13	13.87	100.61	38.26
3509	17729	90.81	1338.1	141.59	920.81	211.35
3536	17227	90.81	2318.08	216.99	1689.68	380.05
402	16320	90.71	50.4	11.67	99.79	32.5
4145	1286	90.6	78.18	7.49	113.15	28.14
944	20832	90.55	562.04	80.75	356.5	128.9
116	11662	90.52	71.84	14.6	46.42	17.15
54	20994	90.49	182.15	33.76	97.27	31.41
4201	21152	90.49	5511.74	443.57	3584.64	2477.89
3473	8212	90.43	4309.1	1259.78	1969.91	710.55
3285	24886	90.3	1725.7	158.64	1194.97	295.55
557	15492	90.28	167.02	14.68	297.14	115.18
2888	1888	90.25	106.73	45.17	32.04	34.65
3610	20839	90.25	1638.02	196.58	1132.82	215.17
4126	255	90.25	304.25	47.35	462.3	125.07
3203	2667	90.18	549.88	84.49	809.45	200.69
2940	20865	90.1	24.25	13.73	90.1	95.26
3614	6525	90.09	976.57	244.81	596.19	127.83
2930	20429	90.04	230.98	93.85	626.27	260.17
3599	1175	90.04	262.96	73.75	632.32	348.17
3044	4198	89.96	787.82	72.47	1092.13	232.15
2976	695	89.94	53.51	4.24	31.99	33.19
4206	15626	89.93	1942.21	311.08	1328.22	250.13
3251	21015	89.9	5258.26	551.43	2916.11	1039.43
4205	575	89.88	490.74	134.07	907.33	309.68
3505	20507	89.78	40.88	5.8	62.65	28.58
619	21305	89.72	99.49	11.19	160.04	64.71
2911	4407	89.7	78.85	10.44	144.37	57.75



2802	19952	89.64	61.82	13.87	127.66	51.76
3285	24885	89.48	1395.22	230.59	891.7	189.42
3047	1694	89.43	1375.56	153.23	1074.39	235.35
145	2696	89.43	1018.77	164.73	618.44	159.27
2753	15850	89.4	1350.25	856.98	1238.02	294.94
654	17891	89.38	35.38	1.44	40.2	11.58
3674	16918	89.37	1992.68	249.11	1268.47	366.85
3573	24648	89.3	59.74	8.75	93.09	28.61
3862	15468	89.27	1106.62	106.55	802.42	153.53
3736	12365	89.25	617.12	46.17	800.73	149.11
578	18906	89.19	39.57	10.06	81.71	36.35
3177	6109	89.09	5349.68	544.1	3580.97	2268.22
3599	15201	89.03	2311.38	238.42	1589.31	329.09
3044	4199	88.87	670.62	72.81	893.27	205.43
633	4242	88.87	113.57	73.69	520.14	210.47
1357	4213	88.87	7593.34	881.96	4452.18	3874.69
3999	15380	88.76	1643.87	301.54	810.83	357.11
2930	20430	88.74	293.51	139.83	826.71	378.78
2978	11955	88.71	1573.75	309.05	1034.07	261.95
4220	24577	88.71	1464.15	269.95	907.6	230.25
3404	20057	88.69	74.6	19.11	140.47	55.04
4085	110	88.69	306.62	109.71	733.09	344.93
4243	20821	88.63	2132.63	371.83	1446.29	284.65

**TABLE 5G: APAP**  
Timepoint(s): 24 hrs

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828:1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
4184	20818	99.44	681.68	396.76	58.76	50.48
2839	21051	99.42	25.82	5.72	169.47	87.24
1423	20817	99.42	1097.61	584.9	33.94	96.13
198	16958	99.26	163.73	20.5	46.79	20.77
3613	14970	99.18	56.14	7.65	184.72	40.93
2088	14960	99.12	3029.21	292.61	1295.98	395.82
1923	14512	99.07	240.92	30.64	1059.86	373.66
3215	8898	99.04	324.05	39.69	812.17	179.92
3849	17090	99.04	205.95	36.94	58.19	25.45
3885	8592	98.99	99.79	15.85	378.1	131.56
4092	15462	98.86	241.96	32.59	546.98	118.67
4197	25675	98.86	1595.4	148.8	737.99	198.87
3330	12524	98.83	858.06	70.36	390.39	107.38
2867	9134	98.8	977.58	104.07	470.65	100.91
3849	17091	98.8	302.38	64.25	43.56	37.87
3215	8899	98.78	325.26	73.6	909.22	196.27
2995	2505	98.78	231.43	34.98	755.8	189.47
1779	4650	98.65	268.49	45.07	63.08	57.13
2075	3023	98.65	83.25	22.18	359.33	106.87
3793	19254	98.62	532.26	122.72	161.17	64.73
3594	11849	98.62	1250.42	49.16	744.49	161.92
1594	7552	98.62	243	43.8	985.86	277.63
3657	24234	98.62	713.75	261.49	144.01	113.63

4226	5667	98.59	1314.23	121.68	814.6	304.56
472	9136	98.59	681.01	57.09	336.6	86.24
2729	18610	98.57	409.16	46.24	787.48	153.52
3658	21586	98.57	146.56	36.94	21.03	25.51
2974	6405	98.54	125.56	15.95	39.51	33.97
2285	6189	98.54	424.58	107.49	3943.76	2199.09
3833	16311	98.51	1524.82	548.61	242.17	217.65
389	11635	98.51	81.5	14.25	292.66	87.54
2642	1653	98.49	173.45	21.77	387.65	95.53
3793	19252	98.46	1360.15	244.77	515.57	179.76
4053	11850	98.46	2198.28	189.16	1083.75	295.64
3580	23109	98.46	1528	178.26	824.17	192.23
2993	21053	98.43	693.77	71.61	1897.77	724.77
300	8872	98.43	1610.12	286	488.24	226.21
3177	6108	98.41	258.2	51.4	110.12	43.9
4049	5920	98.38	1558.1	470.33	454.77	201.18
3849	17092	98.35	264.24	55.84	79.82	44.53
3177	6107	98.35	309.22	85.55	91.76	53.88
3444	24321	98.35	142.58	46.88	804.04	258.17
2144	23390	98.35	1120.41	134.54	443.75	150.3
2028	11429	98.33	125.24	12.42	233.12	43.91
3793	19253	98.33	511.68	68.64	206.18	79.88
2462	6945	98.33	53.77	10.52	145.7	33.05
3127	24722	98.33	225.62	65.8	826.24	213.43
3743	25499	98.33	1244.43	134.74	658.82	134.04
2617	15900	98.33	450.4	66.32	184.15	74.9
2715	19732	98.33	157.23	27.45	990.44	467.21
3224	22582	98.27	100.04	19.95	439.37	141.24
3859	15135	98.25	1569.99	188.85	785.79	180.38
3875	25253	98.25	751.8	97.3	316.82	98.26
3249	1399	98.22	736.06	246.43	94.3	78.44
3958	17758	98.19	39.34	17.14	365.03	375.55
3685	4314	98.19	196.9	24.58	456.28	116.95
1466	7299	98.19	682.78	204.95	86.72	151.11
2389	24368	98.14	368.13	51.19	166.69	69.61
1684	2838	98.11	166.07	30.91	39.12	49.25
898	22554	98.09	474.87	72.77	1498.42	436.8
745	18434	98.09	284.2	56.24	794.65	235.06
465	1644	98.06	61.72	12.63	158.45	52.56
3754	6155	98.06	96.61	14.69	276.22	110.72
3944	15542	98.06	761.89	95.5	392.15	103.77
153	16756	98.03	466.98	36.07	263.8	95.83
3602	20462	98.03	1506.3	194.85	830.21	155.82
3076	19407	98.03	1136.89	151.98	598.29	153.63
3487	11039	98.03	25.6	14.99	166.57	57.78
1057	24246	98.03	797.05	145.39	302.5	113.92
3260	24771	98.03	276.1	76.48	1111.76	312.72
3879	5493	98.03	266.56	52.06	53.26	62.34
2616	5778	98.01	124	38.87	356.84	146.68
484	18490	98.01	71.72	15.76	169.71	45.12
2131	15673	98.01	1592.77	165.69	916.73	188.89
3875	22849	97.98	515.41	63.55	222.2	76.48
2560	2587	97.98	647.25	96.49	1654.19	454.71

3679	24811	97.98	351.65	111.68	1510.4	451.4
2097	18837	97.95	80.04	25.62	282.58	97.71
917	12314	97.95	857.06	190.36	2171.88	673.37
3627	18375	97.95	228.39	50.17	90.76	29.88
4033	6824	97.95	1321.6	311.33	411.16	205.73
3092	25204	97.93	180.62	43.32	532.86	171.33
2127	11205	97.93	339.68	64.17	923.97	242.44
1318	6826	97.93	131.69	38.88	521.49	198.59
2172	15113	97.93	166.07	44.28	521.61	152.45
3634	18990	97.93	255.16	96.79	24.56	54.56
4003	17549	97.9	1155.54	113.45	653.94	143.17
3386	20735	97.9	747.86	150.92	186.95	125.95
3236	20864	97.9	2068.56	578.81	462.79	361.34
3044	4199	97.87	434.82	51.57	894.64	203.35
3330	12523	97.85	436.82	102.63	159.92	57.25
4076	1460	97.85	869.78	182.56	282.95	153.68
4228	10109	97.82	1736.85	168.21	1043.86	218.33
2727	15465	97.82	246.31	48.07	656.79	179.18
655	17897	97.79	164.57	30.22	458.17	132.72
2869	1884	97.79	364.39	52	162.94	51.02
3634	25069	97.79	1319.08	301.55	199.44	235.37
37	1647	97.77	23.39	8.06	91.03	36.39
2098	16102	97.77	146.58	29.51	33.07	35.16
3944	15543	97.77	489.03	57.38	225.65	69.71
707	4730	97.77	105.4	32.71	1486.12	918.03
639	13088	97.74	148.5	73.25	1281.62	434.43
3182	20931	97.69	68.57	20.36	436.46	215.94
3321	20600	97.66	56.63	21.78	599.38	332.16
356	6403	97.61	149.21	24.65	58.86	28.32
4208	25686	97.61	1251.9	176.11	719.18	184.03
345	14987	97.58	1441.01	268.43	631.61	210.18
553	17405	97.58	160.17	15.07	87.46	22.28
1459	21950	97.58	310.54	60.16	694.88	151.27
4216	18606	97.58	1229.94	92.67	726.77	175.55
4079	9687	97.56	91.55	8.77	45.28	21.52
615	3131	97.53	134.57	18.66	437.53	153.93
3879	5492	97.48	190.21	71.87	35.55	62.01
2860	25281	97.45	318.64	46.1	153.49	47.61
580	15876	97.45	2159.08	273.78	1386.92	219.35
4158	794	97.45	239.5	45.81	805.02	225.73
3679	24810	97.42	75.11	33.12	418.65	149.72
3749	25480	97.4	161.63	43.28	608.09	191.26
3321	20601	97.4	173.36	40.61	972.89	456.48
1004	22576	97.37	1066.02	191.05	528.85	142.81
3451	20385	97.37	2013.75	471.72	953.92	268.85
3590	15138	97.32	212.66	39.75	83.73	43.36
3285	24885	97.29	1560.36	224.08	890.56	186.33
3799	20902	97.29	213.65	20.79	107.6	35.99
4004	17684	97.26	125.56	24.73	322.15	88.05
3601	23854	97.26	969.78	127.99	449.89	145.83
3105	16217	97.24	204.89	37.65	452.1	150.87
4190	21054	97.21	89.11	36.29	517.88	207.19
4237	25718	97.21	755.46	58.04	435.23	111.18

3749	21977	97.18	207.43	59.84	710.09	218.42
3268	11153	97.16	236.96	44.12	634.23	201.04
498	9905	97.16	292.18	56.38	648.99	149.67
4239	13646	97.16	1336.65	124.82	745.19	193.22
3660	20940	97.1	1443.84	423.26	542.45	203.85
2847	25257	97.08	257.06	59.41	98.59	67.52
145	2696	97.05	1094.2	119.83	617.82	158.08
3285	24886	97.02	1901.73	315.96	1193.75	292.77
3526	20681	97.02	175.21	22.62	98.24	27.83
4202	19244	97.02	1832.1	169.4	1103.11	245.05
640	1562	96.97	381.25	66.67	884.11	224.44
4128	18036	96.97	63.95	32.55	277.98	93.32
3295	17104	96.94	1002.84	110.51	540.67	138.78

TABLE 5H: APAP Timepoint(s): 24 hrs				Attorney Docket 44921-5038-01-WO Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2839	21051	99.42	25.82	5.72	169.47	87.24
3215	8898	99.04	324.05	39.69	812.17	179.92
4197	25675	98.86	1595.4	148.8	737.99	198.87
3330	12524	98.83	858.06	70.36	390.39	107.38
2867	9134	98.8	977.58	104.07	470.65	100.91
3215	8899	98.78	325.26	73.6	909.22	196.27
3657	24234	98.62	713.75	261.49	144.01	113.63
3594	11849	98.62	1250.42	49.16	744.49	161.92
3793	19254	98.62	532.26	122.72	161.17	64.73
472	9136	98.59	681.01	57.09	336.6	86.24
4226	5667	98.59	1314.23	121.68	814.6	304.56
2729	18610	98.57	409.16	46.24	787.48	153.52
2974	6405	98.54	125.56	15.95	39.51	33.97
3833	16311	98.51	1524.82	548.61	242.17	217.65
3580	23109	98.46	1528	178.26	824.17	192.23
3793	19252	98.46	1360.15	244.77	515.57	179.76
2993	21053	98.43	693.77	71.61	1897.77	724.77
3177	6108	98.41	258.2	51.4	110.12	43.9
3177	6107	98.35	309.22	85.55	91.76	53.88
3849	17092	98.35	264.24	55.84	79.82	44.53
2617	15900	98.33	450.4	66.32	184.15	74.9
3743	25499	98.33	1244.43	134.74	658.82	134.04
2462	6945	98.33	53.77	10.52	145.7	33.05
3793	19253	98.33	511.68	68.64	206.18	79.88
3875	25253	98.25	751.8	97.3	316.82	98.26
3859	15135	98.25	1569.99	188.85	785.79	180.38
1466	7299	98.19	682.78	204.95	86.72	151.11
2389	24368	98.14	368.13	51.19	166.69	69.61
1684	2838	98.11	166.07	30.91	39.12	49.25
745	18434	98.09	284.2	56.24	794.65	235.06
3944	15542	98.06	761.89	95.5	392.15	103.77
3076	19407	98.03	1136.89	151.98	598.29	153.63
3602	20462	98.03	1506.3	194.85	830.21	155.82

153	16756	98.03	466.98	36.07	263.8	95.83
484	18490	98.01	71.72	15.76	169.71	45.12
2616	5778	98.01	124	38.87	356.84	146.68
3875	22849	97.98	515.41	63.55	222.2	76.48
4033	6824	97.95	1321.6	311.33	411.16	205.73
3627	18375	97.95	228.39	50.17	90.76	29.88
1318	6826	97.93	131.69	38.88	521.49	198.59
3092	25204	97.93	180.62	43.32	532.86	171.33
3386	20735	97.9	747.86	150.92	186.95	125.95
4003	17549	97.9	1155.54	113.45	653.94	143.17
4076	1460	97.85	869.78	182.56	282.95	153.68
3330	12523	97.85	436.82	102.63	159.92	57.25
2727	15465	97.82	246.31	48.07	656.79	179.18
4228	10109	97.82	1736.85	168.21	1043.86	218.33
2869	1884	97.79	364.39	52	162.94	51.02
655	17897	97.79	164.57	30.22	458.17	132.72
707	4730	97.77	105.4	32.71	1486.12	918.03
3944	15543	97.77	489.03	57.38	225.65	69.71
2098	16102	97.77	146.58	29.51	33.07	35.16
37	1647	97.77	23.39	8.06	91.03	36.39
996	14510	97.74	830.06	206.27	3255.5	1192.74
1072	2350	97.74	1165.24	133.94	653.91	177.31
3182	20931	97.69	68.57	20.36	436.46	215.94
1853	1649	97.69	60.68	10.69	148.15	48.13
3321	20600	97.66	56.63	21.78	599.38	332.16
209	6237	97.64	199.37	72.92	627.56	216.03
1725	20123	97.61	57.58	25.58	307.09	106.79
2781	23860	97.61	152.54	24.79	66.77	21.53
356	6403	97.61	149.21	24.65	58.86	28.32
4208	25686	97.61	1251.9	176.11	719.18	184.03
4216	18606	97.58	1229.94	92.67	726.77	175.55
1188	3062	97.58	1393.67	275.35	3311.28	904.29
345	14987	97.58	1441.01	268.43	631.61	210.18
553	17405	97.58	160.17	15.07	87.46	22.28
4079	9687	97.56	91.55	8.77	45.28	21.52
615	3131	97.53	134.57	18.66	437.53	153.93
1503	7586	97.53	98.65	17.89	319.54	128.23
3768	11403	97.5	803.57	126.7	182.33	197.54
1855	17762	97.5	102.91	14.85	50.43	18.48
2895	12613	97.48	242	43.87	96.31	45.76
2021	3256	97.45	2022.6	382.06	1009.67	275.31
2860	25281	97.45	318.64	46.1	153.49	47.61
580	15876	97.45	2159.08	273.78	1386.92	219.35
3836	17155	97.42	385.14	74.19	136.66	61.06
187	13684	97.42	1055.83	195.24	512.19	147.23
3321	20601	97.4	173.36	40.61	972.89	456.48
160	6016	97.4	590.61	172.85	2106.65	762.89
2241	10310	97.4	549.46	72.33	263.69	82.67
2761	11404	97.37	761.56	139.23	218.12	122.16
3451	20385	97.37	2013.75	471.72	953.92	268.85
1004	22576	97.37	1066.02	191.05	528.85	142.81
186	4330	97.34	382.33	117.18	1524.27	453.35
2290	18672	97.34	192.94	34.65	87.24	30.59

3590	15138	97.32	212.66	39.75	83.73	43.36
2525	6743	97.32	524.97	79.95	1101.05	267.95
895	23985	97.32	679.7	173.63	1792.37	544.99
2170	18507	97.29	1358.56	157.48	693.63	200.2
3799	20902	97.29	213.65	20.79	107.6	35.99
3285	24885	97.29	1560.36	224.08	890.56	186.33
2621	14118	97.26	410.29	67.7	1136.67	461.41
2035	3916	97.24	548.99	134.29	1543.77	405.83
2635	13294	97.24	697.13	77.77	346.45	104.54
864	22370	97.24	92.96	19.96	268.48	104.1
3105	16217	97.24	204.89	37.65	452.1	150.87
4237	25718	97.21	755.46	58.04	435.23	111.18
859	24369	97.21	495.6	90.9	205.92	83.68
4190	21054	97.21	89.11	36.29	517.88	207.19
4239	13646	97.16	1336.65	124.82	745.19	193.22
3660	20940	97.1	1443.84	423.26	542.45	203.85
2847	25257	97.08	257.06	59.41	98.59	67.52
145	2696	97.05	1094.2	119.83	617.82	158.08
3285	24886	97.02	1901.73	315.96	1193.75	292.77
3526	20681	97.02	175.21	22.62	98.24	27.83
4202	19244	97.02	1832.1	169.4	1103.11	245.05
4128	18036	96.97	63.95	32.55	277.98	93.32
3295	17104	96.94	1002.84	110.51	540.67	138.78
2993	21052	96.84	61.73	25.05	292.3	108.64
3742	16364	96.84	21.53	13.77	180	87.93
3953	16993	96.79	387.5	78.61	1061.34	293.27
3996	11840	96.76	204.51	68.75	68.64	35.05
4172	25643	96.73	244.42	42.29	125.71	45.39
3062	15675	96.71	718.54	79.85	447.02	186.39
4109	25589	96.63	243.19	28.58	131.88	42.88
3489	12422	96.6	124.39	18.86	68.56	21.26
3274	10886	96.6	325.89	93.64	980.14	409.23
4206	15626	96.6	1914.3	141.96	1328.04	250.78
3645	28	96.55	186.44	70.7	807.75	265.21
3606	16929	96.55	1594.84	167.31	1086.66	173.14
3600	12639	96.52	1626.07	188.36	1099.3	171.97
3603	16938	96.52	2004.9	196.62	1365.21	273.01
4210	25687	96.52	1940.06	247.25	1273.37	658.59
3513	24434	96.49	38.82	23.96	233.99	99.58
633	4242	96.41	100.9	40.08	520.43	210.22
2214	16518	96.41	1777.52	283.26	768.04	332.01
4202	25679	96.41	1520.18	184.24	881.89	242.51
636	12312	96.39	358.58	110.89	975.45	264.89
1199	1291	96.36	251.2	28.23	131.63	42.94
3352	455	96.36	89.57	13.42	48.25	28.71
628	20985	96.36	42.78	14.1	137.56	59.51
3276	2149	96.33	506.27	67.22	974.2	220.61
4208	10819	96.33	1898.28	255.72	1168.54	332.47
4058	25064	96.31	2337.37	452.87	1182	347.01
567	9254	96.28	95.28	12.81	184.17	48.09
4252	588	96.28	364.19	99.5	941.19	268.67
4041	10544	96.23	376.12	70.44	178.8	70.11
3573	7872	96.23	124.75	31.1	294.73	81.62

4107	228	96.23	234.23	39.63	486.3	120.57
3584	6911	96.2	84.71	30.44	234.52	74.21
3295	17105	96.2	1492	142.32	980.86	352.79
599	17923	96.17	96.71	10.34	51.96	19.1
3096	23523	96.17	378.22	39.85	197.58	97.93

**TABLE 5I: APAP** Attorney Docket 44921-5038-01-WO  
**Timepoint(s): 3, 6 hrs** Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3626	4234	96.37	1562.41	228.3	606.16	282.97
1762	9190	95.99	409.24	55.69	1023.78	355.45
3932	21848	95.38	508.36	72.43	299.78	75.97
3707	15070	95.33	59.8	20.57	366.97	192.1
2899	4360	95.3	54.59	17.66	266.55	127.78
431	16215	95.27	425.16	58.89	782.02	174.56
1907	2539	95.23	218.65	96.22	29.3	38.24
615	3131	95.19	144.5	37.62	439.05	152.9
3707	15069	94.9	202.3	65.8	908.6	378.42
3825	15997	94.88	813.65	351.32	122.49	170.98
3651	1920	94.88	1504.99	398.7	430.96	246.08
3215	8899	94.85	521.05	77.11	910.25	197.25
1309	24249	94.85	180.01	39.13	1457.81	1262.86
2840	18686	94.76	1999.23	361.77	694.29	601.03
3030	64	94.63	59.26	14.42	135.3	43.74
3103	9423	94.62	1693.26	379.24	806.14	285.06
2883	1921	94.62	875.53	204.06	208.56	153.39
1737	1501	94.46	164.01	82.59	505.88	250.23
2992	20714	94.43	1591.59	292.98	557.8	697.68
3979	20999	94.42	35.6	7.8	83.78	30.94
2244	6861	94.35	72.59	30.82	171.58	37.22
3742	16364	94.34	47.31	18.02	180.58	87.85
268	11726	94.27	1003.07	424.2	129.34	152.94
184	4291	94.26	73.8	39.53	311.61	138.1
3012	1312	94.23	405.84	35.49	640.08	136.15
3123	4003	94.2	65.49	22.78	179.63	79.96
987	23629	94.19	197.75	56.32	84.36	37.93
2514	13933	94.11	201.22	38.22	103.76	35.78
2509	17720	94.11	208.32	37.5	118.42	31.87
1558	1431	94.02	95.78	34.77	435.85	187
3223	23711	93.99	955.74	410.02	175.38	265.8
3825	15996	93.97	531.17	191.59	104.03	129.76
3315	15599	93.96	390.65	46.86	644.66	140.56
350	17334	93.95	456.16	134.26	174.33	81.45
3029	1973	93.91	202.65	40.97	393.37	105.86
4230	25705	93.91	480.04	58.52	746.23	197.9
1501	7582	93.83	177.41	46.3	517.4	201.05
2949	3548	93.79	21.78	11.09	80.61	29.95
3223	23709	93.69	639.52	233.03	172.58	245.86
3307	20779	93.68	2353.04	350.51	1361.2	334.8
1743	10918	93.63	334.12	78.88	160.07	58.07

398	11079	93.62	31.23	8.61	92.7	35.85
3378	16450	93.52	68.54	24.67	250.64	90.74
2631	7837	93.51	96.9	18.89	204.81	65.61
1520	2911	93.44	463.75	153.15	1194.47	357.16
573	17468	93.43	362.22	49.8	563.99	115.19
1228	23044	93.42	387.95	117.87	150.64	50.01
3911	19605	93.39	236.72	41.49	129.62	41.34
4015	9776	93.25	1329.18	343.19	709.9	233.64
3424	18727	93.25	1872.44	279.45	752.03	366.47
1665	17506	93.13	399.01	349.67	28.06	50.99
3227	16982	93.12	1641.85	437.99	322.65	457.76
449	15401	93.08	139.13	62.85	43.23	22.13
3909	21842	93.04	83.37	32.47	568.46	292.58
1661	8715	93.02	4368.81	1539.49	1535.24	565.09
3335	18687	92.96	1938	349.18	648.4	576.75
128	5934	92.9	109.95	37.22	370.97	164.98
3641	445	92.85	81.23	17.64	39.99	24.99
867	22378	92.8	21.7	19.29	100.06	39.37
2081	5953	92.73	1310.4	496.07	175.05	193.14
3823	7927	92.69	58.26	50.37	288.45	114.77
3516	23606	92.65	1356.06	401.57	396.57	199.22
2463	17183	92.52	220.92	28.69	347.74	76.33
1973	6291	92.45	578.1	67.62	986.56	239.67
1046	5952	92.44	481.14	170.63	103.14	98.67
2100	9128	92.37	193.76	55.1	109.37	76.47
655	17897	92.26	206.99	46.02	459.28	132.2
572	15154	92.18	355.55	43.5	625.96	172.69
3879	15127	92.1	1431.46	270.71	685.54	318.61
3570	1035	92.08	90.86	18.74	51.76	21.96
1129	3132	92.08	178.13	64.77	40.93	76.63
3182	20931	92.07	131.65	49.32	437.75	215.84
3204	20535	92.05	82.27	20.25	41.33	19.59
1611	3550	92.02	192.11	39.27	351.28	89.88
3651	1919	92.01	1065.82	400.77	236.46	159.88
1117	2905	91.94	131.31	103.34	501.19	187.74
893	23029	91.89	39.51	115.3	776.06	454.6
268	11727	91.88	1387.25	554.3	171.64	201.37
2983	21097	91.85	1927.2	412.81	913.68	378.2
3348	20146	91.84	100.18	21.58	41.99	22.7
2566	349	91.83	76.21	16.89	137.26	38.43
2779	15170	91.78	83.81	34.97	197.37	55.8
1449	7225	91.73	158.31	57.84	345.4	93.41
1328	22545	91.65	487.71	98.05	241.09	111.15
2630	8549	91.6	231.74	81.83	666.55	224.06
757	23030	91.57	32.47	60.21	488.12	305.14
4290	1561	91.57	533.29	93.86	876.61	221.12
3223	23710	91.54	208.44	92.17	40.21	129.93
58	18061	91.54	63.5	15.19	111.67	24.77
3723	18640	91.52	93.97	12.47	159.7	37.95
3932	17564	91.46	799.28	131.94	489.7	134.27
3092	25204	91.44	275.5	41.95	533.73	171.63
3296	17686	91.38	1234.06	129.33	873.34	183.54
521	22862	91.34	113.44	94.34	457.96	162.69



611	8438	91.32	30.88	12.98	94.84	45.18
1722	13426	91.3	868.27	179.74	527.89	175.5
1437	11191	91.29	152.66	125.54	1145.68	753.65
3457	25814	91.27	42.6	15.87	139.24	72.71
1261	11728	91.26	1048.59	372.55	186.93	207.95
2656	22233	91.25	245.66	47.06	427.41	105.58
3645	28	91.06	329.84	89.88	809.54	265.09
1360	164	91.01	454.39	71.38	741.61	171.3
3109	24825	90.99	2015.31	542.75	885.79	371.64
85	13568	90.96	21.64	6.81	47.5	16.27
3534	21238	90.89	262.55	92.12	78.06	75.72
2862	1354	90.78	897.25	231.72	255.42	211.55
3929	16767	90.77	1023.33	197.7	601.28	193.7
3668	20743	90.69	73.83	19.39	140.92	37.81
637	21980	90.66	283.16	46.28	508.52	161.96
3986	17533	90.65	137.9	29.54	307.57	124.83
4169	1314	90.61	250.56	16.13	189.08	45.84
3879	15126	90.54	2755.14	656.25	1260.02	515.92
3613	14970	90.5	108.49	26.73	184.85	41.27
26	18981	90.46	79.97	15.43	167.26	133.04
650	16912	90.42	173.9	41.63	304.32	78.3
3438	22352	90.42	650.9	404.48	104.75	168.64
3457	10509	90.4	54.07	15.54	139.36	53.74
3863	15642	90.28	933.55	366.64	370.6	146.07
3100	20799	90.22	263.93	35.28	487.22	132.92
3825	15995	90.12	532.08	290.02	97.66	144.67
3993	18867	90.07	479.33	95.41	829.59	221.32
3096	23523	90.03	376.94	68.02	196.62	97.12
343	17382	89.98	477.16	81.55	272.05	85.6
76	23202	89.94	53.47	15.57	123.82	39.39
467	21909	89.81	74.84	16.14	155.4	58.67
419	15980	89.67	21.11	15.6	63.98	22.96
3855	16553	89.63	88.73	41.96	259.37	85.39
3803	15926	89.61	302.73	67.86	591.59	206.5
3381	23419	89.58	332.88	86.83	184.8	65.9
3707	25460	89.52	308.59	100.83	1155.07	551.47
3652	24219	89.5	783.08	189.05	376.58	184.34
4244	25089	89.4	157.98	54.36	43.7	44.67
341	24161	89.38	285.34	35.11	461.88	124
564	23194	89.34	40.08	28.27	154.82	73.37
3235	397	89.31	137.37	32.4	67.37	38.34
3387	10015	89.19	194.27	25.5	138.26	51.95
2958	25370	89.19	20.85	23	157.83	91.22
3434	19825	89.09	103.75	47.68	357.69	161.41
607	2727	89.03	37.93	10.97	90.39	57.7
3083	20744	89	1278.32	480.83	338.65	285.91

**TABLE 5J: APAP**  
**Timepoint(s): 3, 6 hrs**

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
--------------	--------------------	-----------	----------	--------	-------------	-----------

3932	21848	95.38	508.36	72.43	299.78	75.97
2899	4360	95.3	54.59	17.66	266.55	127.78
1907	2539	95.23	218.65	96.22	29.3	38.24
615	3131	95.19	144.5	37.62	439.05	152.9
3707	15069	94.9	202.3	65.8	908.6	378.42
3825	15997	94.88	813.65	351.32	122.49	170.98
1309	24249	94.85	180.01	39.13	1457.81	1262.86
3215	8899	94.85	521.05	77.11	910.25	197.25
2840	18686	94.76	1999.23	361.77	694.29	601.03
3103	9423	94.62	1693.26	379.24	806.14	285.06
2992	20714	94.43	1591.59	292.98	557.8	697.68
3979	20999	94.42	35.6	7.8	83.78	30.94
268	11726	94.27	1003.07	424.2	129.34	152.94
3012	1312	94.23	405.84	35.49	640.08	136.15
3123	4003	94.2	65.49	22.78	179.63	79.96
987	23629	94.19	197.75	56.32	84.36	37.93
2509	17720	94.11	208.32	37.5	118.42	31.87
2514	13933	94.11	201.22	38.22	103.76	35.78
1558	1431	94.02	95.78	34.77	435.85	187
3825	15996	93.97	531.17	191.59	104.03	129.76
3315	15599	93.96	390.65	46.86	644.66	140.56
350	17334	93.95	456.16	134.26	174.33	81.45
3029	1973	93.91	202.65	40.97	393.37	105.86
1501	7582	93.83	177.41	46.3	517.4	201.05
2949	3548	93.79	21.78	11.09	80.61	29.95
3307	20779	93.68	2353.04	350.51	1361.2	334.8
1743	10918	93.63	334.12	78.88	160.07	58.07
398	11079	93.62	31.23	8.61	92.7	35.85
3378	16450	93.52	68.54	24.67	250.64	90.74
2631	7837	93.51	96.9	18.89	204.81	65.61
1520	2911	93.44	463.75	153.15	1194.47	357.16
573	17468	93.43	362.22	49.8	563.99	115.19
3911	19605	93.39	236.72	41.49	129.62	41.34
3424	18727	93.25	1872.44	279.45	752.03	366.47
4015	9776	93.25	1329.18	343.19	709.9	233.64
1665	17506	93.13	399.01	349.67	28.06	50.99
3227	16982	93.12	1641.85	437.99	322.65	457.76
449	15401	93.08	139.13	62.85	43.23	22.13
3909	21842	93.04	83.37	32.47	568.46	292.58
1661	8715	93.02	4368.81	1539.49	1535.24	565.09
3335	18687	92.96	1938	349.18	648.4	576.75
128	5934	92.9	109.95	37.22	370.97	164.98
3641	445	92.85	81.23	17.64	39.99	24.99
867	22378	92.8	21.7	19.29	100.06	39.37
2463	17183	92.52	220.92	28.69	347.74	76.33
1046	5952	92.44	481.14	170.63	103.14	98.67
2100	9128	92.37	193.76	55.1	109.37	76.47
655	17897	92.26	206.99	46.02	459.28	132.2
572	15154	92.18	355.55	43.5	625.96	172.69
3879	15127	92.1	1431.46	270.71	685.54	318.61
1129	3132	92.08	178.13	64.77	40.93	76.63
3570	1035	92.08	90.86	18.74	51.76	21.96
3182	20931	92.07	131.65	49.32	437.75	215.84

3204	20535	92.05	82.27	20.25	41.33	19.59
1611	3550	92.02	192.11	39.27	351.28	89.88
1117	2905	91.94	131.31	103.34	501.19	187.74
893	23029	91.89	39.51	115.3	776.06	454.6
268	11727	91.88	1387.25	554.3	171.64	201.37
3348	20146	91.84	100.18	21.58	41.99	22.7
2566	349	91.83	76.21	16.89	137.26	38.43
1449	7225	91.73	158.31	57.84	345.4	93.41
1328	22545	91.65	487.71	98.05	241.09	111.15
4290	1561	91.57	533.29	93.86	876.61	221.12
757	23030	91.57	32.47	60.21	488.12	305.14
58	18061	91.54	63.5	15.19	111.67	24.77
3723	18640	91.52	93.97	12.47	159.7	37.95
3932	17564	91.46	799.28	131.94	489.7	134.27
3092	25204	91.44	275.5	41.95	533.73	171.63
3296	17686	91.38	1234.06	129.33	873.34	183.54
611	8438	91.32	30.88	12.98	94.84	45.18
1722	13426	91.3	868.27	179.74	527.89	175.5
1437	11191	91.29	152.66	125.54	1145.68	753.65
1261	11728	91.26	1048.59	372.55	186.93	207.95
2656	22233	91.25	245.66	47.06	427.41	105.58
1051	2677	91.09	28.67	13.22	101.43	43.16
2365	3049	91.07	216.8	50.58	121.87	39.4
3645	28	91.06	329.84	89.88	809.54	265.09
1964	13153	91.04	204.24	32.32	111.05	44.86
782	5141	91.04	199.59	65.6	868.17	506.8
950	22069	91.02	926.04	178.92	556.93	134.89
3109	24825	90.99	2015.31	542.75	885.79	371.64
2257	12958	90.98	465.55	109.67	1125.25	389.4
968	23471	90.9	300.86	191.26	46.32	58.59
3534	21238	90.89	262.55	92.12	78.06	75.72
3444	24321	90.88	378.08	87.67	805.06	259.5
966	23584	90.85	72.93	50.54	225.53	88.19
1892	2196	90.85	475.7	94.08	970.3	286.38
2428	16053	90.84	867.47	417.6	169.1	205.1
1580	9963	90.84	305.4	108.64	758.64	298.32
2862	1354	90.78	897.25	231.72	255.42	211.55
3929	16767	90.77	1023.33	197.7	601.28	193.7
3668	20743	90.69	73.83	19.39	140.92	37.81
3986	17533	90.65	137.9	29.54	307.57	124.83
4169	1314	90.61	250.56	16.13	189.08	45.84
3879	15126	90.54	2755.14	656.25	1260.02	515.92
1249	4014	90.53	29.98	16.06	76.9	27.09
325	13772	90.52	2130.68	696.4	939.46	240.21
3613	14970	90.5	108.49	26.73	184.85	41.27
2573	6430	90.46	158.8	50.82	43.64	67.82
650	16912	90.42	173.9	41.63	304.32	78.3
3438	22352	90.42	650.9	404.48	104.75	168.64
3457	10509	90.4	54.07	15.54	139.36	53.74
3863	15642	90.28	933.55	366.64	370.6	146.07
3825	15995	90.12	532.08	290.02	97.66	144.67
3993	18867	90.07	479.33	95.41	829.59	221.32
3096	23523	90.03	376.94	68.02	196.62	97.12

343	17382	89.98	477.16	81.55	272.05	85.6
76	23202	89.94	53.47	15.57	123.82	39.39
3855	16553	89.63	88.73	41.96	259.37	85.39
3803	15926	89.61	302.73	67.86	591.59	206.5
3381	23419	89.58	332.88	86.83	184.8	65.9
3707	25460	89.52	308.59	100.83	1155.07	551.47
3652	24219	89.5	783.08	189.05	376.58	184.34
4244	25089	89.4	157.98	54.36	43.7	44.67
341	24161	89.38	285.34	35.11	461.88	124
564	23194	89.34	40.08	28.27	154.82	73.37
3235	397	89.31	137.37	32.4	67.37	38.34
3387	10015	89.19	194.27	25.5	138.26	51.95
2958	25370	89.19	20.85	23	157.83	91.22
3434	19825	89.09	103.75	47.68	357.69	161.41
3083	20744	89	1278.32	480.83	338.65	285.91
4282	17146	88.99	1203.52	205.72	741.13	218.45
3321	20601	88.95	293.62	127.5	975.88	455.86
3494	20803	88.93	128.85	31.9	287.85	114.04
4192	20715	88.91	933.53	205.81	378.29	429.14
4077	24469	88.87	428.61	53.02	624.31	199.9
386	17142	88.84	335.45	101.09	682.1	311.88
4244	25090	88.81	182.14	60.84	55.78	40.81
3692	16039	88.78	148.24	28.06	234.28	67.19
3345	16150	88.78	1018.65	135.84	666.07	275.92
2753	15850	88.74	1693.96	206.26	1233.68	296.7
667	16435	88.69	268.2	32.61	405.41	93.01
3494	20802	88.65	59.03	16.12	131.83	60.95
2258	1170	88.64	37.13	14.35	111.02	54.84
3879	15124	88.56	2187.16	383.72	1342.17	439.53
2877	135	88.5	142.27	46.38	308.32	109.39
3646	15411	88.5	1076.59	202.15	505.39	318.31
3877	17709	88.41	134.59	44.16	37.08	41.34
3891	15409	88.39	1026.08	156.25	595.44	283.38
3215	8898	88.39	546.72	63.98	812.4	181.75
1228	23045	88.34	320.81	96.18	162.5	51.23
3177	6109	88.14	2306.16	366.26	3603.1	2274.23
1255	15848	88.11	1988.94	331.58	1323.98	344.79
4117	14535	88.09	2696.56	633.51	3693.56	2372.98
3241	15613	88.07	356.7	112.61	1189.15	811.04
4078	25550	88.01	91.83	25.88	38.98	23.72
3080	6478	88	2509.97	291.57	3243.65	1810.61

**TABLE 5K: AY-25329**

**Timepoint(s): 24 hrs**

**Attorney Docket 44921-5038-01-WO**

**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3879	15127	99.42	2228.57	144.07	690.17	319.67
3167	25284	99.31	228.35	29.98	35.82	35.65
3879	5493	99.23	334.45	20.49	53.8	62.92
3250	18989	99.23	3688.22	218.96	1473.15	684.27
3879	5492	99.13	333.55	35.59	35.74	61.59

3073	20705	99.13	6053.85	567.01	1016.82	920.69
3781	18401	99.02	1192.86	19.51	790.14	166.79
3074	20703	99.02	2972.37	407.67	444.63	468.56
3879	15124	98.97	3499.62	356.01	1346.55	436.48
178	6236	98.97	2654.19	311	945.78	402.83
3221	1793	98.83	4009.12	413.32	1154.04	604.09
3074	20704	98.76	5184.07	583.26	1296.29	830.46
3912	6143	98.68	1556.68	119.85	818.9	449.94
1120	12589	98.68	54.45	0.24	45.08	47.36
3221	1794	98.68	8293.54	1002.09	2160.55	1242.66
2964	1795	98.62	1864.31	162.88	530.41	369.76
3879	15126	98.6	3088.46	202.44	1271.98	533.53
4018	6735	98.54	146.66	2.51	99.87	41.4
2634	3816	98.46	575.25	19.66	377.74	104.46
3221	1797	98.38	5433.84	613.82	1788.63	1017.3
2919	12155	98.38	3106.16	814.21	626.16	657.08
3713	8661	98.36	94.12	31.74	26.77	156.77
3931	20707	98.36	1648.89	164.54	603.99	295.97
2988	25056	98.33	3664.54	860.18	928.86	704.24
2936	12157	98.28	4167.9	1215.21	567.99	968.73
2935	12156	98.2	3316.68	1192.33	495.67	848.47
2964	1796	98.09	1014.79	217.2	236.88	176.87
2431	6072	97.99	3160.03	286.02	1859.28	457.54
1082	2424	97.91	1544.68	110.35	900.09	230.06
1242	21957	97.88	127.91	1.18	172.94	52.7
3849	17091	97.75	147.88	26.61	44.71	42.18
3917	18027	97.72	104.69	21.33	48.98	32.44
1542	7926	97.72	305.2	94.87	95.06	51.68
2338	16703	97.7	1659.65	28.69	1168.22	385.13
2403	22845	97.67	295.43	7.94	463.15	106.9
1019	12447	97.64	134.56	6.18	63.62	36.34
3579	1792	97.64	353.01	4.03	301.81	112.05
300	8872	97.51	1235.51	270.82	492.6	238.22
2457	2615	97.43	119.21	3.95	203.42	60.45
142	2485	97.38	626.8	9.02	759.21	297.72
1677	8864	97.22	127.38	6.48	51.24	84.26
2821	25971	97.19	76.52	1.74	46.77	26.59
609	3438	97.17	33.8	0.49	39.49	24.65
2421	15879	97.14	534.82	74.36	311.86	83.27
1052	2158	97.14	228.23	4.29	156.69	90.9
1390	2388	97.09	2352.96	69.04	1763.09	434.06
4012	22595	97.09	822.73	9.6	1049.61	230.23
2989	24860	97.09	1209.19	232.29	388.81	270.26
962	22953	97.03	625.19	120.94	213.93	156.52
4102	53	96.95	22.21	9.24	73.81	42.08
2862	1354	96.95	904.17	93.64	260.85	219.87
2254	14920	96.9	115.46	5.29	67.48	31.94
2867	9134	96.8	547.75	6.48	473.17	107.45
908	22029	96.74	8985.65	220.77	5394.63	2937.83
3849	17092	96.72	167.34	25.25	80.61	46.41
1347	11460	96.72	107.73	9.37	58.97	21.11
281	21333	96.69	58.35	2.96	111.95	48.51
3879	15125	96.69	3466.71	401.78	1645.24	618.38

3849	17090	96.66	111.48	13.73	58.86	27.59
1017	23841	96.66	173.22	10.42	56.48	71.45
3111	17117	96.66	1570.77	153.81	989.37	208.99
1474	12431	96.61	170.59	28.44	61.94	43.63
1109	8527	96.58	197.98	8.97	160.89	177.77
3634	25069	96.58	726.13	121.31	204.25	248.33
1356	15624	96.5	24.53	1.97	56.66	35.08
2810	25928	96.5	20.13	0.33	28.79	18.98
1729	10866	96.48	153.28	8.06	85.81	55.37
3916	11421	96.48	76.66	4.39	128.32	32.69
1384	21040	96.42	913.88	236.02	119.95	264.13
2368	9032	96.4	1070.64	184.86	604.13	157.41
1101	2569	96.29	1540.05	243.21	906.42	289.22
1507	1876	96.29	1169.52	64.93	772.73	202.56
3972	12215	96.27	272.81	30.43	138.88	88.42
1322	6831	96.21	20.07	3.08	52.79	25.33
1125	8786	96.19	141.16	10.6	229.35	55.23
269	18743	96.16	353.17	6.9	472.54	107.63
3634	18990	96.11	79.8	21.06	25.66	57.32
2437	4092	96.11	460.95	11.87	315.11	136.65
2021	3256	96.08	1715.15	296.85	1013.55	283.69
2823	25983	96.08	75.31	10.51	24.27	24.4
2461	23858	96.08	729.3	94.1	286.86	164.7
1820	11723	96.05	242.62	9.63	143.45	53.85
1463	8585	96	238.37	30.89	135.09	45.12
3310	21903	95.97	2774.45	391.45	1523.7	485.8
2619	10378	95.95	2209.01	144.3	1402.31	437.11
688	22052	95.92	586.5	22.4	369.09	139.42
2264	24049	95.92	2558.45	263.29	1516.37	458.24
731	14297	95.9	343.47	4.84	288.02	57.25
1193	3715	95.9	207	3.37	257.6	90.09
755	5009	95.87	533.12	22.64	388.12	90.32
2750	16978	95.87	120.14	2.25	114.67	66.13
2691	3645	95.84	260.54	14.22	175.63	43.58
2020	24163	95.82	487.99	32.44	308.2	91.51
2589	5602	95.79	341.78	27.21	207.49	212.86
192	4921	95.79	59.26	0.99	71.53	22.33
2464	13846	95.76	60.41	3.72	34.2	16.92
1632	8283	95.76	239.99	30.85	121.39	68.8
1044	18653	95.74	86.56	7.76	34.8	29.33
3899	15764	95.71	20.8	1.37	38.68	14.72
1365	22884	95.71	326.93	43.15	196.01	48.72
4047	14347	95.66	2728.93	149.87	1739.69	514.36
2860	25281	95.55	244.98	20.56	154.17	48.94
3965	23321	95.55	327.32	12.23	237.81	65.16
2807	25915	95.52	45.7	1.09	44.83	25.79
402	16320	95.44	53.3	3.71	99.66	32.58
2698	1462	95.39	281.62	16.97	181.7	70.06
3145	21730	95.37	372.89	41.43	219.01	74.61
4230	25705	95.37	535.07	18.04	743.86	198.79
4107	228	95.29	359.03	13.58	485.24	121.65
2991	25400	95.26	3529.97	320.24	1669.82	936.33
876	20795	95.13	430.05	152.67	136.8	147.78

429	7040	95.1	58.53	1.59	44.91	24.17
575	4507	95.07	76.55	14.69	29.16	20.54
3643	4011	94.84	3393.88	485.3	1814.62	677.43
3561	21039	94.84	680.01	188.7	237.99	179.23
595	17332	94.81	42.21	0.75	51.04	26.82
4030	21904	94.76	6107	612.37	2999.52	1590.33
3552	15623	94.7	43.16	3.57	71.32	24.27
3750	14925	94.7	304.2	4.07	323.51	105.18
3634	634	94.68	2339.09	155.16	1531.8	420.57
601	18887	94.68	94.02	1.66	122.89	39.63
572	15154	94.6	425.17	21.92	623.52	173.98
3251	21015	94.6	5326.56	750.73	2922.16	1044.87
526	17374	94.57	92.28	4.99	155.79	47.59
1255	15848	94.52	2126.64	293.37	1329.33	349.48
3923	18293	94.52	1589.45	35.1	1370.84	446.65
2825	10097	94.49	63.75	2.56	98.75	30.52
4058	25064	94.44	2030.03	389.13	1186.32	355.39
3992	7635	94.39	100.8	2.18	127	27.75
3342	20809	94.36	213.36	13.63	323	81.99
4090	357	94.36	37.55	3.07	74.49	34.52
4289	1426	94.33	70.81	14.26	134.5	35.86
4220	24577	94.31	952.7	15.76	910.16	233.77
3836	17154	94.28	292.65	22.71	188.41	79.48
3236	20864	94.23	897.32	188.21	470.37	380.66
3640	14633	94.23	2097.19	131.15	1235.8	503.81
4211	20872	94.23	777.77	8.65	764.65	263.84
3734	25468	94.2	3173.3	126.12	2322.64	1103.63
3853	19942	94.15	95.56	6.27	145.09	54.11
3998	15134	94.15	399.35	71.1	736.3	183.22
3483	8984	94.12	137.4	2.65	180.76	59.27
446	15384	94.12	42.75	1.45	33.76	18.34
3268	11153	94.01	361.07	30.29	632.71	202.42
233	19433	94.01	313.24	91.01	107.04	118.97
3454	762	93.94	2847.63	424.59	1602.04	597.28
3716	17601	93.88	40.2	11.03	102.49	39.9
3672	20404	93.78	101.9	8.52	205.37	111.49
2907	4395	93.78	67.76	1.4	78.17	27.52
3086	17292	93.7	878.24	18.69	750.92	249.73
2863	25287	93.67	154.8	19.65	83.01	45.51
460	15638	93.64	30.48	2.51	37.68	26.23
3349	20778	93.62	45.5	5.31	74.1	18.66
3027	70	93.62	281.42	35.86	472.99	143.44
3247	1698	93.59	431.04	110.73	210.49	212.86
3022	16604	93.56	40.05	7.29	85.4	33.96
224	15668	93.51	102.01	6.44	82.54	66.01
2791	6127	93.49	23.69	1.27	40.44	19.63

TABLE 5L: AY-25329

Timepoint(s): 6 hrs

Attorney Docket 44921-5038-01-WO

Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
--------------	--------------------	-----------	----------	--------	-------------	-----------

2100	9128	99.47	354.27	42.02	109.61	75.79
3073	20705	99.44	3201.5	243.39	1021.71	943.21
3073	489	99.28	888.37	258.13	34.02	347.52
3073	488	99.21	2923.89	441.22	140.43	726.58
2431	6072	99.13	3706.97	408.43	1857.14	451.4
3310	6071	99.07	530.75	42.79	251.17	84.27
3074	20704	98.99	3555.4	254.22	1298.54	842
1274	14737	98.94	3684.86	157.18	2006.22	547.49
2245	14738	98.81	2448.85	138.8	1327.41	357.13
2231	23449	98.68	4318.09	803.01	841.75	681.45
3074	20703	98.65	1366.26	204.31	447.55	480.77
1344	15644	98.62	1914.02	51.4	1368.69	389.22
3651	1920	98.57	1514.84	112.1	439.47	265.88
1454	7281	98.49	441.53	30.85	227.7	69.99
3221	1794	98.46	6517.83	730.04	2162.01	1254.96
772	23448	98.41	4428.17	561.92	1081.77	848.31
3103	9423	98.33	1313.51	45.22	814.2	299.43
3911	13799	98.3	269.31	22.75	137.57	53.16
1772	21913	98.17	211.98	28.07	105.73	26.92
3218	1321	98.17	2755.45	228.85	899.36	612.89
3344	356	98.07	272.75	15.73	145.76	65.24
3221	1793	98.04	2716.62	269.59	1155.95	613.23
3982	15190	98.01	5333.96	243.78	1831.66	1709.47
3770	22586	98.01	126.81	110.11	4599.4	3587.54
2936	12157	97.96	3316.91	1174.06	568.34	972.53
3849	17091	97.93	99.36	8.07	44.78	42.37
1958	16510	97.93	72.27	14.75	249.9	104
3030	64	97.93	58.28	4.48	134.7	44.1
2919	12155	97.75	2255.34	580.1	627.1	662.06
62	4133	97.72	221.29	5.17	375.25	112.42
2883	1921	97.72	761.61	85.23	214.16	166.19
4205	575	97.62	1703.39	109.13	903.24	308.03
3911	23033	97.56	627.74	74.47	352.44	93.47
3982	15189	97.56	4996.27	266.45	1653.47	1657.25
3651	1919	97.54	697.95	65.39	244.03	183.41
3386	20735	97.51	264.65	8.18	189.71	132.57
1702	9079	97.51	205.9	4.58	313.27	94.32
1086	2433	97.51	226.62	18.26	113.14	41.11
178	6236	97.46	2164.72	282.46	946.17	405.7
322	23243	97.3	4622.23	852.78	1788.3	771.99
2523	21816	97.24	1775.09	46.91	1249.95	296.97
1148	2354	97.22	1555.17	146.52	817.04	288.67
584	20088	97.22	104.24	3.39	167.16	48.53
766	22534	97.19	840.23	23.19	594.77	144.69
2421	15879	97.11	504.41	53.68	311.82	83.36
3879	15125	97.11	3095.98	168.95	1645.26	619.88
1348	16035	97.09	32.98	3.75	90.85	50.8
1330	8431	97.09	230.01	37.66	55.45	66.1
3879	15126	97.06	2208.98	97.12	1273.35	538.07
2113	11708	97.03	1694.02	180.11	978.63	234.58
2206	15191	97.03	3612.61	253.19	1215.55	1328.85
420	15987	97.01	78.64	11.66	24.96	42.42
3879	15124	96.98	2553.15	198.61	1347.91	443.51



2099	15345	96.95	1782.76	299.77	832.98	257.16
4105	1948	96.95	152.71	7.19	79.69	36.81
2964	1795	96.87	1240.44	162.86	531.36	373.12
2419	22915	96.82	36.91	15.81	141.39	44.62
810	5256	96.77	239.34	42.68	101.68	89.68
1308	3992	96.77	26.46	4.15	68.95	27.2
2020	24163	96.74	497.01	27.55	308.08	91.39
1082	2424	96.74	1416.71	86.6	900.09	230.5
3349	20778	96.66	40.64	3.88	74.13	18.63
3557	19992	96.63	1133.83	152.45	621.66	217.65
1291	6818	96.61	124.34	8.18	238.82	93.04
1617	10103	96.53	119.82	6.2	57.12	76.56
2348	23515	96.53	724.13	80.66	373.87	140.93
2070	23612	96.5	574.24	70.51	265.12	127.38
1155	3302	96.48	430.31	30.27	260.84	89.7
1384	21040	96.42	748.42	128.02	119.97	264.85
1003	19938	96.37	293.4	22.26	195.14	71.92
1123	16496	96.37	2002.91	149.55	1211.65	377.99
3911	19605	96.37	243.38	36.21	130.46	42.38
1574	5684	96.29	968.45	82.18	582.25	147.54
1843	23874	96.24	493.22	89.22	212.22	98.87
3729	8817	96.21	469.05	35.86	797.12	193.58
295	21762	96.18	766.55	74.41	468.92	127.23
2593	12463	96.16	498.89	21.07	377.4	75.38
2772	14911	96.16	200.29	22.98	88.86	54.9
2198	13502	96.16	487.93	66.37	213.32	112.66
665	3217	96.13	53.75	5.13	96.67	26.26
2461	23858	96.13	771.81	122.42	286.51	164.06
1426	2242	96.05	4820.85	661.18	2424.41	876.55
2304	22197	96.03	243.97	19.63	156.48	86.62
2341	19783	96	508.73	7.91	410.49	86.46
174	17434	96	359.64	67.08	212.43	57.23
3103	9424	95.95	1643.78	131.3	1012.39	382.55
1940	5559	95.92	101.65	12.71	198.62	64.73
1022	5990	95.92	528.1	22.61	375.35	94.99
3202	17401	95.92	145.2	12.12	433.88	217.58
1665	17506	95.84	111.78	36.48	31.77	72.35
155	3233	95.84	586.97	94.81	337.94	94.29
298	9514	95.81	1514.1	190.78	935.64	220.23
885	22452	95.81	1306.31	389.36	397.26	335.32
3819	18175	95.79	293.68	29.21	497.94	119.39
361	14210	95.79	218.57	22.71	89.51	68.23
1741	9368	95.76	106.87	9.31	30.43	49.97
2793	25855	95.73	149.27	6.06	98.06	38.68
2360	14496	95.71	755.44	10.71	637.87	82.45
1487	7639	95.68	400.04	39.23	276.76	69.01
3879	15127	95.63	1368.84	119.03	691.63	325.64
3322	20914	95.6	743.91	261.17	235.09	310.38
3221	1797	95.44	4188.13	826.41	1789.99	1023.48
3764	14621	95.28	107.41	1.84	142.85	46.25
72	12060	95.26	47.87	5.63	91.21	25.83
1228	23045	95.15	255.48	37.5	163.93	54.17
3222	19949	95.12	86.53	7.05	146.55	42.94

12	19222	95.02	768.75	33.94	1019.28	177.86
3653	5497	94.97	1000.21	88.11	641.4	187.79
3626	4234	94.83	956.41	63.22	615.37	298.73
3631	19096	94.73	57.63	0.95	64.45	22.13
2964	1796	94.54	443.71	62.76	237.98	180.37
3186	956	94.44	484.92	70.09	300.84	128.26
3849	17090	94.41	80.3	3.64	58.91	27.69
3310	18445	94.38	98.13	13.98	189.24	73.89
3629	6672	94.33	39.25	4.79	77.99	25.44
3246	1958	94.33	4985.87	190.85	3317.83	1944.19
3955	24352	94.3	27.75	0.9	33.04	14.34
522	1159	94.28	162.39	10.62	275.08	107.56
3184	5033	94.2	265.2	27.03	515.49	286.9
3303	24670	94.09	360.02	26.89	541.68	137.35
3314	17740	94.04	3427.99	98.34	2194.96	956.73
637	21980	93.99	274.05	41.72	506.75	162.58
3514	24458	93.91	449.26	21.59	632.05	154.86
1228	23044	93.77	227.6	25.98	152.95	56.53
598	7148	93.64	92.3	2.5	130.59	42.98
3424	18727	93.61	1447.97	123.12	762.06	381.99
147	2831	93.59	148.13	13.47	250.71	82.13
2966	1373	93.35	38.34	1.94	53.32	15.94
3106	17147	93.35	4539.57	228.13	3208.13	1955.57
3341	24767	93.32	42.13	12.79	114.61	46.62
3426	17324	93.3	227.18	24.03	378.67	117.83
29	18327	93.27	70.58	4.34	44.61	27.29
672	15274	93.27	53.53	2.94	83.66	27.09
4164	957	93.27	161	30.32	95.4	47.09
2953	108	93.22	2715.08	78.41	2174.3	1124.52
3779	16135	93.22	5731.84	306.06	3557.47	2538.5
3269	18452	93.16	687.01	47.14	1064.64	458.5
3549	15350	93.16	111.88	7.38	75.02	26.83
4204	173	93.16	245.25	41.89	111.96	81.02
3269	18453	93.08	279.46	51.57	643.35	266.26
3019	20700	93.08	4284.73	215.51	2940.59	1598.61
3793	19252	93.06	305.86	24.24	520.6	190.14
3267	20649	93.03	2181.55	127.02	1502.46	431.12
3968	21098	93	1700.79	105.75	1149.43	542.04
408	18578	92.98	64.81	8.07	167.96	106.35
4027	24657	92.95	23.96	5.89	70.07	35.01
501	11966	92.95	178.44	20.12	295.19	95.81
2378	15447	92.9	292.34	6.2	267.86	68.16
3171	18564	92.87	235.49	30.58	382	97.18
2871	811	92.85	517.78	35.52	676.64	149.1
498	9905	92.85	465.99	40.53	647.58	151.46
3300	20919	92.79	250.19	34.31	498.34	222.82
63	16730	92.77	44.05	4.89	24.97	25.22
3965	23322	92.74	531.73	9.16	556.05	147.05
557	15492	92.71	194.3	8.2	296.79	115.29
453	7936	92.69	26.7	5.75	53.19	17.83
3683	13186	92.66	145.03	24.68	77.59	34.26
3793	19254	92.63	78.8	16.8	163.36	70.41
3973	16180	92.63	313.11	16.24	447.96	132.57

3685	4314	92.58	581.98	18.89	454.57	118.14
------	------	-------	--------	-------	--------	--------

TABLE 5M: BI-LIVER TOXIN				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 168, 336 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2558	573	99.95	40.86	31.26	896.05	342.76
4254	16426	98.73	153.28	10.91	404.41	119.86
4034	683	98.65	732.58	101.14	160.15	123.07
724	4866	98.44	58.74	24.69	413.23	406.15
4118	1479	98.44	97	8.07	297	94.77
3221	1793	98.22	2741.37	246.03	1154.2	611.17
593	17080	98.06	194.31	9.79	345.18	88.83
616	12020	98.01	452.18	77.57	162.92	68.1
1213	12019	97.77	93.8	25.49	21.69	15.35
2989	24860	97.72	1100.32	127.02	387.9	269.7
3954	4312	97.69	416.83	132.18	62.43	149.23
4118	1478	97.69	163.67	14.87	424.08	118.96
3628	12682	97.67	79.05	63.79	1008.14	481.85
2172	15113	97.61	886.3	53.03	518.37	152.87
3221	1794	97.56	5751.39	941.37	2160.23	1255.94
3001	16427	97.37	62.04	13.17	223.4	81.87
3754	6155	97.24	105.36	15.91	275.91	110.92
1302	21595	97.19	169.42	60.29	32.1	37.43
1665	17506	97.11	105.56	21.71	31.71	72.38
2667	16781	97	565.92	57.82	328.2	126.03
3007	15571	96.95	20.98	7.92	136.96	374.13
4098	17281	96.87	330.14	29.37	629.22	191.57
3232	16448	96.82	47.05	13.47	130.14	47.67
954	21968	96.82	292.73	48.83	154.3	63.34
2792	11692	96.79	168.31	21.93	65.64	96.66
3223	23711	96.66	388.27	76.76	182.86	279.42
1966	13157	96.55	165.11	70.49	40.42	48.73
3217	26150	96.42	59.8	68.6	955.38	761.82
4261	1955	96.37	183.79	59.05	62.73	35.45
2583	17703	96.34	199.28	17.25	346.38	81.49
3101	18726	96.31	145.27	29.51	363.35	114.96
4141	17079	96.29	549.49	52.57	871.34	166.2
2964	1796	96.21	614.82	119	237.13	179.21
2447	22824	95.86	115.71	17.87	214.57	55.96
1666	8789	95.84	288.79	19.27	182.49	76.4
1975	10529	95.84	22.39	8.22	110.84	49.73
2709	22717	95.54	53.38	5.07	101.61	46.15
2584	3661	95.52	396.98	37.77	200.82	83.43
3488	12192	95.36	112.15	9.74	192.87	52.01
2963	43	95.36	234.98	30.93	435.92	131.44
3587	21096	95.33	747.69	161.69	336.73	153.67
3859	15136	95.2	766.5	28.26	587.64	293.81
815	11691	95.17	226.18	31.73	108.8	93.44
1761	23124	95.12	130.25	6.37	186.38	39.6
2342	13614	95.04	385.95	29.07	250.5	68.34

3074	20703	94.96	882.77	200.77	448.37	482.57
358	14191	94.96	118.67	10.17	68.02	26.33
1472	23646	94.77	204.69	32.38	82.51	67.31
1985	5874	94.72	59.69	5.38	120.67	51.45
3754	6156	94.54	40.08	6.35	92.59	64.24
596	19443	94.48	599.96	202.12	1369.67	434.97
822	21827	94.46	121.26	4.76	164.02	37.74
3024	1246	94.43	47.88	3.7	78.25	30.44
3960	19706	94.38	67.48	10.13	30.13	19.71
3770	22586	94.35	11500	1785.98	4561.91	3570.54
4280	853	94.32	298.53	14.59	456.77	239.61
1810	15515	94.3	616.43	45	455.34	83.14
4073	7554	94.24	82.53	10.47	143.28	40.01
4190	21054	94.16	177.38	38.97	516.87	208.34
1478	7362	94.14	1466.72	176.62	935.59	278.87
3212	16926	94.08	120.09	28.97	305.29	126.98
421	16854	94.08	112.58	12.71	169.83	38.85
748	24310	94.06	38.51	18.25	110.27	39.56
3879	15125	94.03	2727.66	290.06	1645.09	621.03
3891	15408	93.98	397.6	32.86	292.17	165.3
1609	8068	93.98	363.5	56.52	191.57	92.17
577	13574	93.95	143.06	26.21	306.76	94.04
3931	20707	93.9	1207.87	255.58	603.97	297.55
2572	17566	93.85	1835.92	249.26	1057.65	368.46
3399	3775	93.71	39.87	3.85	69.47	27.56
502	6968	93.69	266.85	15.02	192.93	49.28
2927	1870	93.69	106.51	12.85	61.12	25.81
3935	17880	93.63	83.82	5.38	125.89	29.74
2927	1869	93.61	1814.7	97.21	1264.22	350.08
3879	15126	93.58	2125.79	222.7	1272.66	537.88
667	16435	93.55	535.9	24.83	403.47	93.45
4121	18301	93.55	30.49	13.9	148.39	94.64
166	5923	93.55	372.72	61.68	221.24	74.81
3119	18719	93.53	2406.44	389.84	1329.6	500.92
3992	7635	93.45	92.29	4.51	127.07	27.72
2722	14878	93.45	71.05	13.17	33.95	36.99
104	13930	93.42	228.98	25.24	147.37	105.93
1895	22931	93.42	28.54	5.42	138.83	97.26
3558	13634	93.4	1490.75	94.57	1118.76	357.13
1766	10573	93.4	140.75	13.55	83.18	45.09
3824	1868	93.4	1409.6	212.41	857.15	256.97
3442	20187	93.34	43.66	3.42	24.85	15.54
1969	23183	93.34	397.93	109.57	215.41	90.85
3261	20877	93.34	116.54	19.27	472.07	285.13
1530	7860	93.32	66.89	9.08	31.98	26.02
2984	4254	93.29	4223.17	314.23	4012.97	2554.86
1987	18522	93.29	333.1	12.28	429.43	125.27
3801	11830	93.26	835.12	63.14	624.63	257.61
4008	15239	93.26	808.08	44.68	627.88	245.95
1927	6555	93.21	171.29	12.58	253.74	68.64
1528	5350	93.18	267.65	12.75	380.08	99.71
2741	17248	93.18	2233.53	133.45	1660.21	362.81
3071	11115	93.18	1719.57	222.6	648.09	564.18

3619	21623	93.13	1132.98	45.92	1504.15	337.39
1887	17171	93.13	497.76	71.39	284.97	175.87
3322	20913	93.05	78.46	17.25	273.01	346.8
3879	15127	93.02	1302.98	314.69	691.16	325.11
3250	18989	92.94	1976.87	94.38	1475.98	691.72
3361	24362	92.92	2871.6	340.5	2973.44	1815.27
4141	17078	92.89	322.6	20.8	456.1	100.23
3462	1914	92.68	45.51	7.36	85.31	36.53
3488	12193	92.63	87.72	8.03	128.41	28.16
592	22538	92.57	325.88	11.61	259.15	77.22
1430	1409	92.57	264.92	29.36	411.46	113.92
3339	20789	92.49	443.55	35.85	673.38	228.8
3828	25594	92.36	195.12	16.73	283.13	61.84
2832	8106	92.31	46.2	6.91	79.31	24.08
577	13575	92.25	41.04	12.78	113.51	48.31
3962	15017	92.23	4420.78	385.43	3977.04	2711.34
3056	1508	92.2	1839.25	77.24	1367.43	415.42
581	19085	92.07	122.42	12.52	86.69	46.54
3061	17785	92.02	4816.04	469.15	4272.22	3218.5
3477	4212	91.99	4273.88	388.33	4064.69	2676.34
3470	24535	91.96	373.56	42.75	609.46	205.83
4158	794	91.94	598.14	61.95	802.79	228.92
3634	635	91.94	2286.92	135.12	1571.58	485.76
2940	20865	91.86	149.14	21.8	89.57	95.24
2970	32	91.83	193.62	23.56	297.56	83.27
3223	23710	91.78	76.45	17.06	41.87	130.93
3105	16217	91.75	276.74	36.95	451.44	151.46
3071	11116	91.72	2683.93	361.98	958.83	1094.24
3734	25469	91.72	542.02	229.71	1632.97	751.8
3170	16274	91.7	4187.52	545.38	4094.62	2902.22
4081	25559	91.64	28.16	10.89	72.69	33.49
2955	109	91.54	4415.15	298	3931.89	2216.92
2994	19256	91.54	193.36	30.87	366.45	141.56
3013	16305	91.54	1718.66	238.74	1142.91	358.01
3470	24537	91.51	674.81	25.86	844.92	185.9
3120	1854	91.41	3230.9	479.06	1970.86	958.83
2762	17922	91.38	95.48	13.42	42.97	59.39
2207	26029	91.3	25.39	3.26	198.84	331.87
3177	6109	91.19	3670.01	391.99	3589.09	2270.45
3959	17109	91.11	5260.98	737.76	4958.78	4395.68
3120	1850	91.03	3844.53	525.52	2465.64	1105.37
3223	23709	91.03	266.31	39.91	177.19	250.67
3105	16221	90.9	33.13	3.91	63.17	27.99
3440	20182	90.8	77.53	3.31	60.98	28.55

**TABLE 5N: BICALUTAMIDE**  
**Timepoint(s): 6, 24, 168 hrs**

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3221	1794	94.05	7427.84	2543.95	2137.17	1182.95
3221	1793	93.79	3555.66	1202.78	1143.5	578.82

2964	1795	93.25	1877.82	801.13	523.93	352.85
1268	3121	92.34	1223.64	178.94	815.66	248.41
2421	15879	91.94	423.59	48.33	311.56	83.55
3931	20707	91.2	1302.5	270.68	601.38	294.17
2431	6072	90.71	2568.8	273.68	1857.14	458.38
3119	18719	90.49	2528.93	425.29	1325.32	495.38
3879	15124	89.87	2184.68	296.87	1345.33	442.81
3251	21015	89.57	4631.18	764.51	2915.46	1042.21
1442	12300	89.05	5118.84	928.66	2842.92	1160.02
1371	22030	88.82	13466.57	1801.84	8082.94	4246.36
1865	5907	88.66	480.37	34	376.69	94.25
3156	17541	88.44	2661.26	403.65	1623.43	636.28
2449	7892	88.12	1071.22	69.29	821.81	218.52
3568	18728	88.11	68.19	10.19	99.31	24.37
420	15987	87.82	60.44	22.33	24.85	42.46
4129	1623	87.73	24.55	3.22	39.49	15.06
2614	15107	87.63	7407.83	1006.58	3915.34	2637.96
2496	7881	87.51	1548.39	310.74	935.03	347.66
1823	24229	87.35	4789.35	635.23	2973.05	1208.82
1536	7891	87.27	261.97	35.47	166.08	65.8
2390	7460	87.17	15045.77	2149.01	8304.35	5705.98
195	17408	87.12	2263.76	190.08	1667.19	515.83
1734	10893	87.03	1661.61	341.83	766.67	545.96
1575	3406	87	272.48	56.72	167.79	62.48
2991	25400	86.99	2864.27	395.4	1665.52	936.78
3250	18989	86.96	2768.68	658.79	1468.9	683.07
333	15211	86.84	625.27	52.85	458.35	139.66
3294	2970	86.84	4173.45	739.92	2286.92	1082.47
3119	18717	86.83	1561.21	356.13	828.61	318.5
2215	22139	86.79	836.39	76.66	625.53	135.77
1693	8720	86.75	37.63	10.52	78.99	38.73
4106	202	86.7	56.51	7.34	84.25	25.95
3119	10625	86.63	3166.14	592.44	1894.09	758.53
3473	8212	86.62	2734.92	303.96	1975.83	730.93
3728	12299	86.52	1594.94	119.48	1158.72	300.25
3320	15224	86.51	924.77	53.65	802.99	219.04
2147	11623	86.46	4860.16	399.89	3556.52	1417.32
200	6132	86.41	704.47	54.86	526.15	145.58
3664	20502	86.3	4281.17	395.39	3216.14	915.05
3879	15125	86.27	2886.76	470.72	1640.53	615.99
3432	19711	85.98	143.56	18.42	209.77	71.87
119	8207	85.98	41.56	7.46	64.43	20.12
3294	2969	85.96	3867.38	685.26	2122.69	1020.38
3634	25525	85.91	1894.47	314.56	1344.71	365.38
3062	15677	85.84	156.77	26.48	243.81	122.2
3473	8211	85.79	3773.15	570.2	2362.03	1110.56
151	5996	85.75	128.57	25.59	230.41	78.61
3261	20876	85.75	3075.43	361.89	2076.77	610.83
1326	6832	85.54	160.46	27.27	115.4	68.12
3142	16947	85.43	1621.03	179.12	1149.72	321.34
4030	21904	85.35	5411.5	847.65	2989.45	1586.66
2520	20846	85.32	3770.81	301.11	2728.35	862.49
8	6050	85.31	73.92	21.97	141.83	61.38

3411	20716	85.28	2021.87	149.83	1639.27	475.21
2452	16203	85.27	116.04	19.61	78.78	34.59
854	19425	85.13	14923.53	2865.23	9631.12	5918.03
3753	14042	85.1	14415.82	2361.66	7961.54	5331.78
3932	17560	84.89	440.74	90.35	736.93	328.47
1639	14518	84.87	471.14	96.59	281.7	148.03
1643	8422	84.87	133.99	48.42	46.41	75.1
3119	10626	84.86	3005.78	592.33	1670.17	646.71
3736	12363	84.86	220.65	34.33	291.82	61.88
2659	21156	84.61	8740.95	909.29	5062.58	2984.97
1107	2794	84.55	319.84	70.01	165.04	102.47
1716	8711	84.51	70.08	14.39	29.96	46.12
2259	24221	84.49	182.98	33.98	278.21	82.66
3268	11151	84.46	319.39	68.02	509.45	187.63
4279	25768	84.43	90.39	13.5	129.43	42.46
14	18299	84.41	78.66	11.12	105.73	25.03
2752	14232	84.39	1037.13	113.39	741.52	338.42
3357	5619	84.33	228.16	57.74	432.05	224.14
2725	14887	84.32	642.65	246.6	291.81	246.83
2588	20350	84.29	185.45	14.52	236.81	65.71
2479	17672	84.21	2759.77	246.68	2106.24	520.92
497	18269	84.19	120.93	10.11	161.79	56.6
3480	7505	84.09	119.14	8.62	138.98	45.63
3119	10624	83.98	2532.34	675.55	1362.87	597.43
1161	16625	83.93	258.17	44.43	347.18	83.93
1618	18178	83.91	1643.49	313.34	1018.88	554.33
2136	11888	83.91	222.84	36.37	140.6	60.97
2605	17240	83.89	5699.55	568.11	3668.94	1524.15
1477	7345	83.87	73.46	33.15	30.49	39.29
3128	18730	83.87	4656.36	542	2888.16	1610.43
4137	746	83.86	163.45	16.62	124.92	82.02
3251	21013	83.86	4245.02	573.44	2603.84	1213.19
2166	4445	83.86	709.56	55.38	567.34	114.22
3879	15126	83.85	2079.29	356.39	1270.26	536.46
2968	19	83.79	370.6	75.31	594.04	214
2408	4275	83.71	2117.94	188.53	1794.05	418.04
3361	24362	83.69	4405.66	546.52	2963.15	1813.82
2964	1796	83.67	575.67	203.3	236.19	178.15
908	22029	83.62	8511.75	1137.95	5380.71	2936.67
3597	4683	83.61	109.52	18.98	168.35	88.94
3775	9307	83.57	10936.02	1566.71	6220.22	3313.7
3072	20305	83.56	28.53	10.33	61.45	30.06
4294	2387	83.55	387.6	71.54	226.74	142.55
1257	1804	83.49	4039.69	1057.77	2595.31	1264.11
2926	21014	83.47	1662.37	358.7	1038.16	348.06
4047	14346	83.43	1994.85	202.58	1523.91	364.31
3119	10622	83.42	2853.67	728.68	1546	690.79
2929	1421	83.37	117.49	7.85	139.01	24.32
3707	15069	83.35	1387.87	305.59	897.77	381.74
3872	17433	83.34	138.7	13.95	184.59	54.78
3801	23192	83.29	134.87	24.55	218.67	86.27
3715	17556	83.09	1606.64	280.26	1006.16	481.15
144	10623	82.97	2005.32	424.98	1097.51	498.68

2999	20464	82.94	2338.81	290.91	1776.86	559.41
3078	17676	82.88	5304.82	859.63	3094.37	1638.93
3119	18861	82.83	1041.37	175.77	641.02	251.92
418	21690	82.76	36.14	7.11	63.03	32.92
3876	16043	82.65	95.36	12.38	131.18	46
3863	15642	82.6	252.02	39.37	377.41	160.74
3715	16257	82.57	758.92	115.75	492.54	165.07
82	3915	82.57	35.58	6.37	52.49	20.26
444	15371	82.54	201.09	28.22	278.09	80.74
3310	21903	82.48	2069.84	261.63	1522.58	488.06
3316	17561	82.46	130.52	39.79	261.8	145.07
4159	15516	82.38	119.81	19.44	175.08	58.5
3531	8266	82.34	6200.92	1006.15	3536.09	2242.88
664	2979	82.34	192.53	12.42	233.67	65.71
3273	1550	82.34	246.3	48.26	432.34	211.98
1238	145	82.29	45.36	8.46	73.42	26.12
2814	17083	82.28	49.53	8.95	73.48	28.69
55	18346	82.25	187.44	26.93	145.18	49.14
614	3439	82.21	43.01	7.52	78.15	40.33
4121	18302	82.18	21.45	18.24	147.96	138.26
4251	580	82.17	66.16	24.39	114.68	47.09
3843	18357	82.16	278.1	27.48	355.74	87.59
2867	9135	82.1	804.84	34.31	747.49	136.44
2957	1481	82.04	40.66	7.52	58.58	29.87
570	24873	82.04	21.89	6.18	40.49	28.79
1836	14981	82	6242.22	1306.4	3413.53	2306.41
495	18287	81.96	61.69	14.03	83.29	21.27
3006	25430	81.94	420.24	84.04	621.61	179.45
489	1133	81.81	97.56	14.52	133.43	29.21
3793	19252	81.64	439.95	35.68	520.58	190.73
3563	24798	81.64	410.66	52.61	572.33	199.49
485	22860	81.59	41.46	4.52	54.77	24.35
3669	19727	81.55	1824.09	189.5	1387.45	423.02
3512	24345	81.53	100	48.46	266.4	301.58
3080	6477	81.52	2966.73	343.57	2259.65	866.25
3536	17227	81.45	2269.56	339.72	1688.68	379.17
2955	109	81.44	6691.79	944.48	3914.6	2207.46
3320	15225	81.41	1140.81	82.04	978.96	163.38
3210	21287	81.4	55.3	11.32	93.94	42.94
3619	21623	81.39	1767.8	145.19	1500.94	337.77

**TABLE 50: CCL4** Attorney Docket 44921-5038-01-WO  
**Timepoint(s): 24, 48 hrs** Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3097	20589	99.76	285.48	30.99	24.54	23.07
3961	16457	99.73	470.97	44.85	167.97	77.14
1451	17167	99.68	5178.1	150.52	2756.96	666.96
3851	8152	99.6	209.7	21.22	66.44	19.21
1982	23631	99.58	162.76	37.05	37.36	34.49
3419	13486	99.5	107.55	14.39	30.27	19.34



2302	18800	99.47	220.37	68.88	22.97	143.66
3618	15185	99.47	572.3	212.35	59.45	96.47
3711	19191	99.42	3081.98	281.59	1107.03	351.19
696	4095	99.42	334.45	75.27	42.2	33.29
3575	21802	99.42	99.74	8.27	26.94	14.93
3773	16394	99.39	504.35	120.83	116.09	195.85
1007	497	99.39	903.77	160.27	139.13	134.28
3412	574	99.39	721.07	264.86	92.78	161.18
3461	17158	99.39	347.11	70.42	52.67	31.52
657	23731	99.36	417.48	161.01	131.4	47.37
2983	21097	99.36	285.19	53.54	926.43	391.36
1529	18002	99.36	403.4	125.9	2317.53	794.7
354	11161	99.36	117.22	13.58	602.61	326.01
3934	19456	99.36	1660.02	1205.05	20.54	95.38
3643	4011	99.34	527.49	75.12	1822.06	678.03
323	4048	99.34	2846.7	1989.92	44.06	171.31
2034	3909	99.31	174.34	42.84	28.67	20.5
1287	2853	99.31	278.11	50.48	57.12	44.26
3700	22321	99.31	1034.74	210.81	74.36	94.79
2760	21091	99.26	623.69	96.26	1770.23	507.1
2308	4097	99.26	263.24	88.27	36.49	20.82
3916	12035	99.23	89.36	11.02	35.4	33.7
570	24873	99.23	124.37	37.27	40.1	28.33
1921	11376	99.23	133.05	22.83	27.41	20.87
2661	2765	99.23	260.19	96	37.57	20.85
3091	18385	99.23	271.47	82.96	21.11	27.27
3511	17809	99.2	138.05	18.67	42.94	19.7
491	17255	99.2	82.42	17.35	25.88	10.71
2477	12551	99.2	37.47	8.02	233.51	77.8
1785	2042	99.18	211.79	40.46	33.86	43.65
1287	2854	99.18	853.85	128.76	286.5	83.26
3280	20745	99.15	892.06	139.28	306.7	77.28
3371	19241	99.13	355.33	97.66	120.88	42.78
84	19177	99.1	137.75	32.42	25.22	14.26
3420	20816	99.07	1019.58	230.25	245.42	387.38
168	12160	99.07	262.93	35.56	1123.31	1303.12
528	2107	99.07	249.59	34.94	95.72	43.88
1915	4161	99.07	89.58	15.59	32.62	11.9
660	3895	99.07	223.53	60.87	26.67	20.62
2782	14840	99.07	357.86	84.7	71.81	35.16
1908	4049	99.07	1765.48	771.38	128.18	255.17
792	17156	99.05	92.63	21.28	38.99	12.56
623	4243	99.05	225.42	22.45	97.19	45.5
3077	21836	99.05	71.79	5.88	28.13	19.58
1235	17597	99.05	86.53	13.25	32.96	17.94
2481	7650	99.05	601.79	420.83	103.99	49.6
4030	20046	99.05	198.16	63.71	22.02	16.78
2158	4989	99.02	304.32	166.99	31.37	26.09
571	23888	99.02	446.63	122.13	117.08	47.54
1453	22592	99.02	514.18	140.45	50.74	74.67
1315	19275	99.02	1670.22	501.53	331.86	116.41
189	4491	99.02	542.45	121.66	150.64	59.23
2123	23422	99.02	151.44	30.13	46.26	17.79

3068	16214	99.02	334.63	115.4	34.15	22.73
3317	17502	99.02	348.41	53.33	82.6	48.29
3750	14929	99.02	637.11	220.64	120.24	82.41
3195	25279	99.02	496.15	54.54	191.34	86.99
2842	1515	98.99	95.07	15.48	29.56	25.65
3835	20421	98.99	79.9	6.49	30.5	13.91
3745	5175	98.99	562.37	196.99	39.14	56.63
741	22914	98.97	370.58	104.59	1189.83	517.96
140	2781	98.97	218.31	71.67	71.93	28.47
3760	17252	98.97	113.22	31.19	686.73	282.63
2503	23013	98.97	736.28	141.4	230.55	65.66
1288	4115	98.97	461.45	58.8	90.51	97.93
303	4490	98.97	1208.15	311.74	303.14	130.31
498	9905	98.97	207.38	32.01	648.5	149.74
507	20523	98.94	141.86	28.49	48.93	68.73
2005	806	98.94	986.16	197.8	3463.02	1178.93
3173	7197	98.94	127.57	63.16	24.67	15.73
2128	1411	98.94	253.31	36.52	99.86	32.14
1426	2242	98.94	530.4	147.21	2436.78	879.36
3611	19040	98.94	499.95	257.94	39.49	52.72
122	21416	98.94	176.76	29.04	52.11	29.38
3569	21509	98.91	915.77	390.92	149.46	106.8
1993	11551	98.91	139.38	20.46	35.72	20.04
3225	16650	98.91	454.37	142.76	57.68	51.82
3838	20869	98.91	480.31	171.59	59.09	42.26
1203	926	98.89	200.69	71.02	35.79	20.13
1710	9720	98.89	172.43	47.4	35.78	20.62
3783	14199	98.89	391.66	126.21	117.81	50.88
2380	9821	98.86	208.17	33.37	70.73	26.68
768	23173	98.86	801.47	225.72	167.05	112.5
4037	16969	98.86	75.6	54.32	1150.05	635.09
1851	4856	98.86	172.16	44.6	42.65	22.1
312	883	98.86	848.96	82.27	370.18	92.68
514	17308	98.83	43.68	2.64	20.59	10.92
277	23981	98.83	1705.16	517.61	551.57	116.96
2129	7733	98.83	586.28	170.02	213.72	62.46
624	1552	98.83	79.78	37.77	586.52	212.68
3976	13563	98.81	330.67	91.66	1186.6	355.12
1604	8025	98.81	1203.06	168.3	426.94	149.1
679	21230	98.81	369.8	61.96	53.28	86.54
1928	1841	98.78	123.23	11.06	47.29	52.59
3769	23274	98.78	1121.44	93.96	609.78	118.13
3387	10015	98.75	533.36	186	137.6	46.15
2847	25257	98.73	537.67	102.07	98.03	63.7
3220	15296	98.73	590.45	94.8	209.31	73.55
3518	18630	98.73	90.46	14.25	28.7	18.76
3387	10016	98.7	486.78	139.46	91.24	43.4
2975	1427	98.7	90.18	15.72	28.02	18.46
3273	1551	98.7	185	68.69	1028.7	367.63
3060	7063	98.67	581.57	155.71	91.28	94.21
114	12797	98.67	63.04	7.65	20.62	13.07
3906	25252	98.65	581.13	92.91	218.96	92.84
3177	6107	98.65	351.6	64.71	92.09	54.37

3206	14423	98.65	111.52	12.27	40.86	18.71
3000	14881	98.62	258.45	173.76	1707.06	632.12
3838	20868	98.62	321.77	139.65	41.26	31.89
2814	17083	98.62	191.42	37.46	72.94	27.86
3280	20746	98.62	983.99	159.57	420.92	108.26
447	15888	98.59	437.42	128.64	166.03	140.1
4179	9841	98.59	802.14	181.07	2173.19	559.23
3032	17130	98.57	234.05	49.82	87.56	27.43
3721	19768	98.57	803.38	85.45	280.49	123.06
3367	15242	98.54	84.2	7.61	46.06	13.16
2924	1514	98.54	160.57	24.32	53.41	22.36
3542	8439	98.54	86.24	21.43	21.87	10.87
2118	20783	98.54	374.46	183.68	51.27	35.52
4082	14121	98.54	757.87	159.09	217.11	97.55
3152	20587	98.54	447.45	94.39	1017.11	250.9
4286	3831	98.54	137.89	28.1	34.12	23.94
3273	1550	98.52	50.04	25.96	432.28	211.08
1208	13973	98.49	168.72	55.33	23.24	17.55
4001	16444	98.49	336.2	97.41	122.7	48.5
415	15884	98.49	380.9	101.28	92.55	59.83
3831	4361	98.49	122.16	18	57.58	32.58
3589	17727	98.49	68.34	13.03	26.16	9.88
2964	1795	98.46	61.54	32.04	534.73	374.12
3701	11170	98.46	1302.3	114.63	634.55	170.6
425	16118	98.46	89.6	33.52	27.51	11.01
3540	21696	98.46	438.37	58.6	180.59	68.47
4253	405	98.46	282.14	87.98	943.86	194.02
3490	12606	98.44	209.17	47.17	741.89	238.25
547	18165	98.44	49.88	7.39	21.58	10.52
814	17157	98.44	105.66	29.75	23.15	16.21
1386	21060	98.44	153.13	49.66	43.48	27.52
2838	14882	98.41	215.48	141.39	1303.65	412.9
3064	7427	98.41	175.14	40.76	32.3	29.79
2967	13499	98.41	174.49	27.28	50.56	36.82
411	13974	98.41	1201.76	365.51	226.06	115.51
4236	1435	98.41	977.21	211.92	241.19	148.7
4252	588	98.41	216.49	61.88	940.43	268.63
2949	3549	98.38	502.59	114.28	200.54	80.15
3406	20298	98.38	182.9	39.99	509.96	151.7
3842	1570	98.38	285.96	141.46	99.06	44.13
4005	17854	98.36	91.36	13.14	30.41	15.46

**TABLE 5P: CCL4** Attorney Docket 44921-5038-01-WO  
Timepoint(s): 24, 48 hrs Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3961	16457	99.73	470.97	44.85	167.97	77.14
1451	17167	99.68	5178.1	150.52	2756.96	666.96
1982	23631	99.58	162.76	37.05	37.36	34.49
3419	13486	99.5	107.55	14.39	30.27	19.34
3618	15185	99.47	572.3	212.35	59.45	96.47

2302	18800	99.47	220.37	68.88	22.97	143.66
3575	21802	99.42	99.74	8.27	26.94	14.93
696	4095	99.42	334.45	75.27	42.2	33.29
3711	19191	99.42	3081.98	281.59	1107.03	351.19
3461	17158	99.39	347.11	70.42	52.67	31.52
1007	497	99.39	903.77	160.27	139.13	134.28
3773	16394	99.39	504.35	120.83	116.09	195.85
3934	19456	99.36	1660.02	1205.05	20.54	95.38
354	11161	99.36	117.22	13.58	602.61	326.01
1529	18002	99.36	403.4	125.9	2317.53	794.7
2983	21097	99.36	285.19	53.54	926.43	391.36
657	23731	99.36	417.48	161.01	131.4	47.37
3643	4011	99.34	527.49	75.12	1822.06	678.03
2034	3909	99.31	174.34	42.84	28.67	20.5
2760	21091	99.26	623.69	96.26	1770.23	507.1
3091	18385	99.23	271.47	82.96	21.11	27.27
2661	2765	99.23	260.19	96	37.57	20.85
1921	11376	99.23	133.05	22.83	27.41	20.87
570	24873	99.23	124.37	37.27	40.1	28.33
3916	12035	99.23	89.36	11.02	35.4	33.7
491	17255	99.2	82.42	17.35	25.88	10.71
3511	17809	99.2	138.05	18.67	42.94	19.7
1785	2042	99.18	211.79	40.46	33.86	43.65
3280	20745	99.15	892.06	139.28	306.7	77.28
84	19177	99.1	137.75	32.42	25.22	14.26
2782	14840	99.07	357.86	84.7	71.81	35.16
660	3895	99.07	223.53	60.87	26.67	20.62
1915	4161	99.07	89.58	15.59	32.62	11.9
528	2107	99.07	249.59	34.94	95.72	43.88
168	12160	99.07	262.93	35.56	1123.31	1303.12
3420	20816	99.07	1019.58	230.25	245.42	387.38
4030	20046	99.05	198.16	63.71	22.02	16.78
2481	7650	99.05	601.79	420.83	103.99	49.6
1235	17597	99.05	86.53	13.25	32.96	17.94
3077	21836	99.05	71.79	5.88	28.13	19.58
623	4243	99.05	225.42	22.45	97.19	45.5
792	17156	99.05	92.63	21.28	38.99	12.56
3195	25279	99.02	496.15	54.54	191.34	86.99
3750	14929	99.02	637.11	220.64	120.24	82.41
3317	17502	99.02	348.41	53.33	82.6	48.29
3068	16214	99.02	334.63	115.4	34.15	22.73
2123	23422	99.02	151.44	30.13	46.26	17.79
189	4491	99.02	542.45	121.66	150.64	59.23
1315	19275	99.02	1670.22	501.53	331.86	116.41
1453	22592	99.02	514.18	140.45	50.74	74.67
2158	4989	99.02	304.32	166.99	31.37	26.09
3745	5175	98.99	562.37	196.99	39.14	56.63
3835	20421	98.99	79.9	6.49	30.5	13.91
2842	1515	98.99	95.07	15.48	29.56	25.65
498	9905	98.97	207.38	32.01	648.5	149.74
303	4490	98.97	1208.15	311.74	303.14	130.31
1288	4115	98.97	461.45	58.8	90.51	97.93
3760	17252	98.97	113.22	31.19	686.73	282.63

741	22914	98.97	370.58	104.59	1189.83	517.96
1426	2242	98.94	530.4	147.21	2436.78	879.36
2128	1411	98.94	253.31	36.52	99.86	32.14
3173	7197	98.94	127.57	63.16	24.67	15.73
2005	806	98.94	986.16	197.8	3463.02	1178.93
507	20523	98.94	141.86	28.49	48.93	68.73
3838	20869	98.91	480.31	171.59	59.09	42.26
1993	11551	98.91	139.38	20.46	35.72	20.04
3569	21509	98.91	915.77	390.92	149.46	106.8
3783	14199	98.89	391.66	126.21	117.81	50.88
1710	9720	98.89	172.43	47.4	35.78	20.62
1203	926	98.89	200.69	71.02	35.79	20.13
312	883	98.86	848.96	82.27	370.18	92.68
4037	16969	98.86	75.6	54.32	1150.05	635.09
2380	9821	98.86	208.17	33.37	70.73	26.68
624	1552	98.83	79.78	37.77	586.52	212.68
2129	7733	98.83	586.28	170.02	213.72	62.46
277	23981	98.83	1705.16	517.61	551.57	116.96
514	17308	98.83	43.68	2.64	20.59	10.92
679	21230	98.81	369.8	61.96	53.28	86.54
1604	8025	98.81	1203.06	168.3	426.94	149.1
3976	13563	98.81	330.67	91.66	1186.6	355.12
3769	23274	98.78	1121.44	93.96	609.78	118.13
930	22645	98.78	233.57	10.3	124.76	45.89
2787	14656	98.78	92.13	13.9	30.57	14.78
1928	1841	98.78	123.23	11.06	47.29	52.59
3387	10015	98.75	533.36	186	137.6	46.15
1012	23773	98.75	500.29	249.56	63.12	49.17
3565	15121	98.75	1228.37	478.76	464.93	137.55
1422	17489	98.75	659.58	278.22	117.37	82.5
3518	18630	98.73	90.46	14.25	28.7	18.76
3220	15296	98.73	590.45	94.8	209.31	73.55
3273	1551	98.7	185	68.69	1028.7	367.63
2975	1427	98.7	90.18	15.72	28.02	18.46
2621	14118	98.7	243.65	86.83	1135.66	461.2
3913	16267	98.67	376.52	22.67	195.26	56.33
3060	7063	98.67	581.57	155.71	91.28	94.21
114	12797	98.67	63.04	7.65	20.62	13.07
1030	24040	98.67	2606.92	1475.06	564.01	188.03
857	867	98.67	845.8	252.31	299.25	82.39
819	12401	98.67	617	333.35	118.67	54.89
960	12963	98.67	371.78	38.24	171.03	77.17
3906	25252	98.65	581.13	92.91	218.96	92.84
3177	6107	98.65	351.6	64.71	92.09	54.37
3206	14423	98.65	111.52	12.27	40.86	18.71
3000	14881	98.62	258.45	173.76	1707.06	632.12
3838	20868	98.62	321.77	139.65	41.26	31.89
2814	17083	98.62	191.42	37.46	72.94	27.86
3280	20746	98.62	983.99	159.57	420.92	108.26
447	15888	98.59	437.42	128.64	166.03	140.1
4179	9841	98.59	802.14	181.07	2173.19	559.23
3032	17130	98.57	234.05	49.82	87.56	27.43
3367	15242	98.54	84.2	7.61	46.06	13.16

2924	1514	98.54	160.57	24.32	53.41	22.36
3542	8439	98.54	86.24	21.43	21.87	10.87
2118	20783	98.54	374.46	183.68	51.27	35.52
4082	14121	98.54	757.87	159.09	217.11	97.55
3152	20587	98.54	447.45	94.39	1017.11	250.9
4286	3831	98.54	137.89	28.1	34.12	23.94
3273	1550	98.52	50.04	25.96	432.28	211.08
1208	13973	98.49	168.72	55.33	23.24	17.55
4001	16444	98.49	336.2	97.41	122.7	48.5
415	15884	98.49	380.9	101.28	92.55	59.83
3831	4361	98.49	122.16	18	57.58	32.58
3589	17727	98.49	68.34	13.03	26.16	9.88
2964	1795	98.46	61.54	32.04	534.73	374.12
3701	11170	98.46	1302.3	114.63	634.55	170.6
425	16118	98.46	89.6	33.52	27.51	11.01
3540	21696	98.46	438.37	58.6	180.59	68.47
4253	405	98.46	282.14	87.98	943.86	194.02
3490	12606	98.44	209.17	47.17	741.89	238.25
547	18165	98.44	49.88	7.39	21.58	10.52
2838	14882	98.41	215.48	141.39	1303.65	412.9
3064	7427	98.41	175.14	40.76	32.3	29.79
2967	13499	98.41	174.49	27.28	50.56	36.82
411	13974	98.41	1201.76	365.51	226.06	115.51
4236	1435	98.41	977.21	211.92	241.19	148.7
4252	588	98.41	216.49	61.88	940.43	268.63
3406	20298	98.38	182.9	39.99	509.96	151.7
3842	1570	98.38	285.96	141.46	99.06	44.13
3624	15662	98.36	91.92	14.56	36.5	49.41
3374	15347	98.36	346.75	87.39	117.28	43.88
4005	17854	98.36	91.36	13.14	30.41	15.46
3662	20767	98.33	280.71	144.4	55.47	49.21
512	17321	98.33	221.21	22.9	97.97	35.41
3961	16456	98.33	358.94	48.34	147.37	53.44
3667	15175	98.33	106.35	12.21	232.4	67.26
3135	13731	98.33	67.28	8.03	25.13	19.29
3220	15295	98.3	440.81	58.59	193.54	57.57
3281	21538	98.28	112.07	31.82	33.42	15.07
545	22903	98.28	223.21	29.54	114.26	35.65
3195	3404	98.22	285.46	52.41	126.82	42.71
2886	62	98.22	41.02	6.3	118.71	37.35
3136	18068	98.22	124.17	43.49	42.05	13.94
90	15659	98.2	171.38	51.63	46.45	19.32
396	22374	98.2	331.72	46.32	177.27	47.72
2893	20514	98.2	86.21	16.85	22.41	17.54
3346	20848	98.2	673.73	143.1	258.22	84.72

**TABLE 5Q: CCL4**

**Timepoint(s): 3, 6 hrs**

**Attorney Docket 44921-5038-01-WO**

**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4031	14664	99.76	377.68	20.92	136.44	44.25

1882	22957	99.5	1374.12	163.04	258.41	141.69
2071	1923	99.47	792.04	81.55	255.07	88.84
889	22504	99.44	1075.8	276.85	143.28	79.8
2326	13055	99.42	86.48	19.54	478.67	173.07
918	22266	99.39	466.47	113.24	1709.02	349.89
1115	2787	99.36	1345.7	116.52	547.14	157.98
3366	24019	99.36	166.62	22.91	25.28	25.42
1676	4437	99.34	429.95	104.1	1419.15	416.74
2719	11431	99.31	269.44	41.67	67.29	25.3
2755	23595	99.31	152.68	18.51	36.24	28.72
3963	17337	99.28	158.41	44.56	37.65	65.6
4100	22039	99.28	115.8	13.78	40.16	18.76
2188	4585	99.28	391.85	55.33	1062.9	303.62
1192	3710	99.28	843.51	203.46	86.56	103.18
4039	8278	99.26	199.08	13.67	323.31	50.68
1680	23137	99.26	1045.83	179.14	251.37	107.33
2152	8795	99.23	150.12	17.44	20.65	23.5
1	25098	99.23	469.56	157.25	29.61	43.11
2165	6678	99.2	337.27	45.6	131.96	108.26
225	6723	99.2	51.73	8.72	192.66	73.89
4132	2685	99.2	217.79	19.04	91.1	34.76
2815	25934	99.2	145.29	21.13	38.44	16.93
3952	1183	99.2	846.34	270.27	56.91	75.32
1793	21592	99.18	320.8	69.98	1062.3	343.83
3818	15376	99.18	520.6	59.06	184	66.08
2068	9757	99.18	140.3	9.99	283.25	69.59
693	4663	99.15	598.65	343.4	113.68	53.9
1918	2501	99.15	378.95	51.18	106.63	43.83
3713	8661	99.15	1338.84	728.7	22.74	133.08
2634	3816	99.13	975.32	114.29	376.26	99.16
2148	23157	99.07	247.88	43.05	77.7	31.04
2545	15171	99.07	2247.86	724.98	248.1	258.83
1440	21073	99.05	55.08	27.1	253.6	73.58
1495	7380	99.05	333.92	139.31	78.61	43.69
169	7806	99.05	181.23	31.25	52.52	28.51
2747	22443	99.05	414.09	134.18	28.2	52.2
3379	17908	99.05	750.32	84.2	70.61	110.14
2310	5200	99.02	142.98	57.87	28.04	15.07
2637	22686	99.02	67.26	6.15	155.42	39.37
931	21974	99.02	446.28	79.04	174.25	40.46
2563	11549	99.02	435.29	33.69	202.67	63.14
1914	14560	99.02	473.1	197.32	113.37	47.31
1156	3308	99.02	372.22	58.67	160.39	37.36
2805	25907	99.02	239.1	54.52	34.6	32.63
2093	22958	98.99	436.75	110.13	81.89	55.13
2726	13911	98.99	99.9	12.46	30.54	17.1
36	16576	98.99	351.95	227.31	26.26	25.84
3698	23407	98.99	850.19	261.07	152.52	77.73
1924	12969	98.99	374.35	124.84	38.42	39.79
3946	19613	98.97	797.9	128.77	1866.41	483.03
1818	4898	98.97	207.83	30.39	83.6	28.08
1269	23556	98.97	237.06	26.46	86.48	35.04
2733	19075	98.97	564.28	135.31	140.68	62.52

3657	24234	98.97	965.16	164.42	144.42	112.76
299	3925	98.94	217.47	61.66	818.72	302.08
1623	8202	98.94	595.06	88.74	240.17	79.72
1288	4115	98.94	515.24	89.29	90.34	97.17
1021	23463	98.91	144.81	17.94	48.66	27.11
1569	4047	98.91	610.16	209.12	91.93	64.22
925	22625	98.91	1151.84	349.46	93.62	130.86
439	15313	98.91	228.62	28.55	27.14	35.42
1409	2250	98.89	311.21	148.26	1885.66	742.62
1050	2049	98.89	730.9	175.18	134.47	65.43
2383	3587	98.89	1850.06	625.03	232.47	219.2
10	1600	98.89	496.31	156.53	36.55	89.46
366	6440	98.89	865.62	91.27	289.81	138.22
1635	8314	98.89	7011	2073.58	145.07	441.94
457	15617	98.89	153.23	23.28	27.02	23.72
2679	8850	98.86	273.25	61	69.08	33.51
2931	1247	98.86	394.89	139.48	61.37	110.96
1496	16840	98.86	802.1	147.45	2209.27	578.15
3780	19205	98.86	118.41	35.11	27.46	24.66
1086	2433	98.86	344.09	59.51	112.71	39.33
24	15303	98.86	146.6	69.04	28.76	14.66
2457	2615	98.86	466.93	51.64	202.4	58.69
2284	19184	98.86	601.55	169.12	86.98	95.83
390	16318	98.86	1170.15	479.66	88.33	120.67
1682	14424	98.86	1802.74	352.74	87.21	265.6
743	4942	98.83	204.76	30.06	72.78	32.14
726	3963	98.83	122.44	35.96	431.95	110.19
3870	16965	98.83	295.15	73.84	101.59	36.59
1306	9150	98.83	1222.88	185.42	541.27	134.79
1813	23538	98.83	693.56	134.81	98.36	102.84
1764	10594	98.81	160.51	23.56	311.73	55.47
2345	13619	98.81	325.05	122.13	79.41	69.85
1258	10108	98.81	207.15	34.02	62.67	30.59
3301	19031	98.81	969.56	549.87	24.91	105.96
247	23505	98.81	1598.37	236.63	559.86	206.83
1848	2752	98.78	257.48	55.24	905.82	265.7
728	4894	98.78	358.13	24.19	189.91	52.97
3717	15469	98.78	231.5	17.65	82.35	36.41
1241	20741	98.78	139.6	15.11	21.8	29.6
679	21230	98.78	419.61	95.31	53.12	85.83
193	4952	98.78	864.71	114.38	149.09	130.12
3507	20303	98.75	93.9	13.06	25.44	16.35
1922	12965	98.75	309.33	64.95	65.22	43.1
3913	16267	98.75	525.9	87	194.78	53.96
4140	21654	98.75	976.32	105.17	404.54	146.49
4293	8664	98.75	1497.21	561.26	42.14	180.33
3712	17736	98.73	1365.61	587.99	46.77	192.25
2911	4407	98.73	461.09	98.1	143.05	54.81
2738	18259	98.7	1213.54	406.16	135.53	131.21
3540	21696	98.67	469.43	62.34	180.49	68.07
3334	14004	98.67	336.3	72.49	74.7	60.81
4021	11494	98.67	594.76	151.11	24.69	75.49
100	6892	98.65	786.52	171.21	184.77	98.16



112	21380	98.65	240.74	44.41	69.77	31.76
388	11608	98.65	70.82	12.55	20.79	11.54
3712	17734	98.65	1730.84	626.04	92.49	280.74
4077	24469	98.65	344.48	27.49	623.12	199.62
4086	347	98.65	83.05	10.58	24.94	14.94
4172	25643	98.65	382.31	62.02	125.53	43.81
3719	15266	98.62	628	72.85	308.93	77.73
2353	16081	98.62	1124.18	202.13	125.42	189.81
3121	15616	98.59	613.84	177.95	105.97	80.62
3947	11483	98.57	616.87	252.91	32.8	76.51
3836	17154	98.57	572.08	113	187.41	76.45
488	18584	98.57	101.66	19.12	27.81	16.21
3713	1475	98.54	1719.67	823.9	78.44	245.8
13	18396	98.54	250.91	90.16	44.66	45.13
3870	16964	98.52	112.52	41.61	34.67	12.96
668	21989	98.49	168.48	57.81	60.38	16.42
4221	21123	98.49	288.69	86.67	948.59	277.63
3271	1261	98.46	278.97	35.13	90.83	43.02
3947	18043	98.46	207.91	88.03	23.05	26.35
515	17779	98.46	200.92	17.81	403.07	139.25
1424	3203	98.46	523.66	63.95	204.56	76.64
3334	14003	98.46	546.55	150.75	155.32	99.91
3258	24596	98.46	261.04	57.85	77	42.84
2967	13499	98.44	247.5	92.07	50.33	35.51
1928	1841	98.44	174.45	18.33	47.12	52.27
3802	20725	98.44	221.69	23.63	434.8	85.77
3887	15839	98.41	159.71	15.04	334.99	86.74
424	16013	98.41	73.9	13.06	26.63	10.55
3635	17427	98.41	442.23	89.18	1123.17	248.1
4094	2686	98.38	140.88	14	61.31	26.92
3226	651	98.38	235.13	90.07	39.8	45.22
79	2098	98.36	296.8	52.59	132.48	39.41
3712	17735	98.36	1265.9	560.19	153.75	244.57
533	22865	98.33	84.22	16.52	33.01	13.62
542	20917	98.33	384.28	101.08	110.21	46.71
1898	15291	98.33	263.22	103.05	69.99	37.2
4160	20386	98.33	813.63	131.65	253.1	124.03
3226	652	98.3	707.19	168.08	79.9	109.33
2775	21653	98.3	614.7	96.08	263.68	89.49
3229	3430	98.3	861.31	187.29	234.49	133.04
1220	15292	98.28	464.17	85.1	161.74	63.13
3811	3454	98.28	376.24	213.33	70.49	41.75
3709	16535	98.28	394.93	100.18	1180.15	435.02
3844	11405	98.22	110.13	13.67	39.33	19.84
3226	650	98.22	283.36	74.3	43.15	52.24
81	23343	98.17	72.52	17.26	24.66	13.59
3616	15487	98.17	235.67	74.15	64.8	29.61
3216	1521	98.14	451.79	70.46	150.77	74.49
3657	24235	98.14	1171	320.47	327.17	162.09
3981	14822	98.14	422.28	113.63	140.33	50.8
456	15558	98.12	682.77	102.77	308.96	115.38
3520	6891	98.12	1762.35	650.92	539.92	206.62
30	17599	98.09	148.14	48.1	43.77	27.85

3229	25567	98.09	774.32	282.43	143.18	136.52
4286	3831	98.09	117.78	39.92	34.18	24.15
3786	20708	98.06	95.14	17.14	33.88	18.11
3811	3455	98.06	696.64	186.22	234.44	123.5
3616	15489	98.06	156.9	18.65	76.22	23.38
3719	15265	98.04	519.21	104.55	235.65	75.36
500	22124	98.04	123	25.48	44.17	18.11
3257	3202	98.04	694.27	103.9	230.56	100.47
4265	23302	98.01	171.94	85.54	36.27	19.41
3536	17226	98.01	597.37	62.52	1107.82	235.64
238	9815	97.99	215.07	54.25	75	26.83
2900	9745	97.93	52.85	9.28	20.2	8.76
3407	15680	97.93	365.92	76.84	141.95	57.6
3825	15995	97.93	700.19	275.15	100.35	149.2

TABLE 5R: CCL4 Attorney Docket 44921-5038-01-WO Timepoint(s): 3, 6 hrs Document No. 1935828.1						
SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4031	14664	99.76	377.68	20.92	136.44	44.25
1882	22957	99.5	1374.12	163.04	258.41	141.69
2071	1923	99.47	792.04	81.55	255.07	88.84
889	22504	99.44	1075.8	276.85	143.28	79.8
2326	13055	99.42	86.48	19.54	478.67	173.07
918	22266	99.39	466.47	113.24	1709.02	349.89
3366	24019	99.36	166.62	22.91	25.28	25.42
1115	2787	99.36	1345.7	116.52	547.14	157.98
1676	4437	99.34	429.95	104.1	1419.15	416.74
2755	23595	99.31	152.68	18.51	36.24	28.72
2719	11431	99.31	269.44	41.67	67.29	25.3
1192	3710	99.28	843.51	203.46	86.56	103.18
2188	4585	99.28	391.85	55.33	1062.9	303.62
4100	22039	99.28	115.8	13.78	40.16	18.76
1680	23137	99.26	1045.83	179.14	251.37	107.33
4039	8278	99.26	199.08	13.67	323.31	50.68
2152	8795	99.23	150.12	17.44	20.65	23.5
2815	25934	99.2	145.29	21.13	38.44	16.93
4132	2685	99.2	217.79	19.04	91.1	34.76
225	6723	99.2	51.73	8.72	192.66	73.89
2165	6678	99.2	337.27	45.6	131.96	108.26
2068	9757	99.18	140.3	9.99	283.25	69.59
3818	15376	99.18	520.6	59.06	184	66.08
1793	21592	99.18	320.8	69.98	1062.3	343.83
1918	2501	99.15	378.95	51.18	106.63	43.83
693	4663	99.15	598.65	343.4	113.68	53.9
2148	23157	99.07	247.88	43.05	77.7	31.04
1495	7380	99.05	333.92	139.31	78.61	43.69
1440	21073	99.05	55.08	27.1	253.6	73.58
1156	3308	99.02	372.22	58.67	160.39	37.36
1914	14560	99.02	473.1	197.32	113.37	47.31
2563	11549	99.02	435.29	33.69	202.67	63.14

931	21974	99.02	446.28	79.04	174.25	40.46
2637	22686	99.02	67.26	6.15	155.42	39.37
2310	5200	99.02	142.98	57.87	28.04	15.07
3698	23407	98.99	850.19	261.07	152.52	77.73
36	16576	98.99	351.95	227.31	26.26	25.84
2726	13911	98.99	99.9	12.46	30.54	17.1
2093	22958	98.99	436.75	110.13	81.89	55.13
1269	23556	98.97	237.06	26.46	86.48	35.04
1818	4898	98.97	207.83	30.39	83.6	28.08
3946	19613	98.97	797.9	128.77	1866.41	483.03
1288	4115	98.94	515.24	89.29	90.34	97.17
1623	8202	98.94	595.06	88.74	240.17	79.72
299	3925	98.94	217.47	61.66	818.72	302.08
1569	4047	98.91	610.16	209.12	91.93	64.22
1021	23463	98.91	144.81	17.94	48.66	27.11
366	6440	98.89	865.62	91.27	289.81	138.22
10	1600	98.89	496.31	156.53	36.55	89.46
1409	2250	98.89	311.21	148.26	1885.66	742.62
24	15303	98.86	146.6	69.04	28.76	14.66
1086	2433	98.86	344.09	59.51	112.71	39.33
3780	19205	98.86	118.41	35.11	27.46	24.66
1496	16840	98.86	802.1	147.45	2209.27	578.15
2931	1247	98.86	394.89	139.48	61.37	110.96
2679	8850	98.86	273.25	61	69.08	33.51
1813	23538	98.83	693.56	134.81	98.36	102.84
1306	9150	98.83	1222.88	185.42	541.27	134.79
3870	16965	98.83	295.15	73.84	101.59	36.59
726	3963	98.83	122.44	35.96	431.95	110.19
743	4942	98.83	204.76	30.06	72.78	32.14
247	23505	98.81	1598.37	236.63	559.86	206.83
3301	19031	98.81	969.56	549.87	24.91	105.96
1258	10108	98.81	207.15	34.02	62.67	30.59
2345	13619	98.81	325.05	122.13	79.41	69.85
1764	10594	98.81	160.51	23.56	311.73	55.47
679	21230	98.78	419.61	95.31	53.12	85.83
1241	20741	98.78	139.6	15.11	21.8	29.6
3717	15469	98.78	231.5	17.65	82.35	36.41
728	4894	98.78	358.13	24.19	189.91	52.97
1848	2752	98.78	257.48	55.24	905.82	265.7
4140	21654	98.75	976.32	105.17	404.54	146.49
3913	16267	98.75	525.9	87	194.78	53.96
1922	12965	98.75	309.33	64.95	65.22	43.1
3507	20303	98.75	93.9	13.06	25.44	16.35
2532	12343	98.75	164	25.68	50.44	26.33
3712	17736	98.73	1365.61	587.99	46.77	192.25
879	19229	98.73	495.04	292.9	96.51	46.31
149	2897	98.73	167.15	29.71	44.3	24.37
1959	7414	98.73	742.1	213.43	180.91	85.03
2622	7161	98.73	217.02	58.52	48.34	27.31
2911	4407	98.73	461.09	98.1	143.05	54.81
2406	2226	98.73	133.54	26.66	440.38	119.62
321	14292	98.7	2440.9	1615.99	423.23	196.11
2154	15557	98.7	274.54	20	470.85	81.77

1778	13261	98.7	171.34	33.82	27.89	39.41
1448	12794	98.7	698.16	263.66	266.05	81.96
3334	14004	98.67	336.3	72.49	74.7	60.81
3540	21696	98.67	469.43	62.34	180.49	68.07
2026	24146	98.67	321.22	15.49	179.9	56.48
3712	17734	98.65	1730.84	626.04	92.49	280.74
4172	25643	98.65	382.31	62.02	125.53	43.81
1311	7524	98.65	1301.15	140.25	573.32	159.78
2748	24388	98.65	696	353.6	146.01	82.84
388	11608	98.65	70.82	12.55	20.79	11.54
4077	24469	98.65	344.48	27.49	623.12	199.62
3719	15266	98.62	628	72.85	308.93	77.73
734	4171	98.62	355.59	52.61	155.68	61.97
2671	18999	98.62	412.02	127.59	152.57	54.66
2374	2099	98.62	860.94	104.52	451.67	98.49
2354	11484	98.62	225.2	109.92	24.87	41.91
3836	17154	98.57	572.08	113	187.41	76.45
488	18584	98.57	101.66	19.12	27.81	16.21
13	18396	98.54	250.91	90.16	44.66	45.13
3870	16964	98.52	112.52	41.61	34.67	12.96
668	21989	98.49	168.48	57.81	60.38	16.42
4221	21123	98.49	288.69	86.67	948.59	277.63
3271	1261	98.46	278.97	35.13	90.83	43.02
515	17779	98.46	200.92	17.81	403.07	139.25
1424	3203	98.46	523.66	63.95	204.56	76.64
3334	14003	98.46	546.55	150.75	155.32	99.91
3258	24596	98.46	261.04	57.85	77	42.84
2967	13499	98.44	247.5	92.07	50.33	35.51
1928	1841	98.44	174.45	18.33	47.12	52.27
3802	20725	98.44	221.69	23.63	434.8	85.77
3887	15839	98.41	159.71	15.04	334.99	86.74
424	16013	98.41	73.9	13.06	26.63	10.55
3635	17427	98.41	442.23	89.18	1123.17	248.1
4094	2686	98.38	140.88	14	61.31	26.92
79	2098	98.36	296.8	52.59	132.48	39.41
533	22865	98.33	84.22	16.52	33.01	13.62
542	20917	98.33	384.28	101.08	110.21	46.71
4160	20386	98.33	813.63	131.65	253.1	124.03
3226	652	98.3	707.19	168.08	79.9	109.33
2775	21653	98.3	614.7	96.08	263.68	89.49
3811	3454	98.28	376.24	213.33	70.49	41.75
3709	16535	98.28	394.93	100.18	1180.15	435.02
3844	11405	98.22	110.13	13.67	39.33	19.84
81	23343	98.17	72.52	17.26	24.66	13.59
3616	15487	98.17	235.67	74.15	64.8	29.61
3216	1521	98.14	451.79	70.46	150.77	74.49
3981	14822	98.14	422.28	113.63	140.33	50.8
3520	6891	98.12	1762.35	650.92	539.92	206.62
30	17599	98.09	148.14	48.1	43.77	27.85
3786	20708	98.06	95.14	17.14	33.88	18.11
3811	3455	98.06	696.64	186.22	234.44	123.5
3616	15489	98.06	156.9	18.65	76.22	23.38
3719	15265	98.04	519.21	104.55	235.65	75.36

3257	3202	98.04	694.27	103.9	230.56	100.47
4265	23302	98.01	171.94	85.54	36.27	19.41
3536	17226	98.01	597.37	62.52	1107.82	235.64
238	9815	97.99	215.07	54.25	75	26.83
503	17311	97.93	167.58	26.5	76.97	30.44
2900	9745	97.93	52.85	9.28	20.2	8.76
3407	15680	97.93	365.92	76.84	141.95	57.6
3825	15995	97.93	700.19	275.15	100.35	149.2
3721	19768	97.91	783.1	280.56	280.55	122.56
3165	4282	97.91	495.44	106.03	1623.5	555.97
1247	18731	97.85	243.22	32.46	131.34	31.87
74	15011	97.83	176.79	13.84	82.55	33.07
3986	17530	97.83	71.94	8.5	256.97	108.02
3735	2577	97.83	189.24	25.15	78	31.18
3040	21670	97.8	83.35	21.31	25.73	15.06
1525	23950	97.8	100.27	16.13	40.96	15.41
4152	25618	97.8	542.4	51.08	281.65	140.72
3617	17379	97.77	337.8	34.18	117.76	70.29
4062	25496	97.75	191.87	40.42	88.96	39.35
3790	4327	97.72	159.36	24.83	51.28	33.42
3178	20755	97.72	242.86	61.02	55.3	62.98
1240	25203	97.69	96.94	38.36	24.73	16.47
15	15083	97.69	80.76	19.1	27.27	14.34
3861	15324	97.69	67.26	11.56	29.55	10.35
4221	21122	97.69	666.25	69.55	1527.72	489.13
2	4433	97.67	189.09	22.35	104.74	25.81
2465	15426	97.67	151.69	11.27	266.5	62.92
3271	1262	97.64	149.23	23.35	48.6	30.4
437	16495	97.64	311.33	25.08	557.89	151.32
3066	20518	97.64	42.18	9.55	92.89	28.62
587	4527	97.61	96.07	31.08	33.33	13.82
394	21707	97.59	212.82	31.29	40.75	52.01
548	24295	97.59	29.77	5.61	61.48	15.44
3825	15997	97.59	993.97	330.76	127.05	180.56
3386	20735	97.59	615.07	101.42	188.56	130.36
3195	25279	97.53	376.76	59.87	191.72	88.04
2270	3071	97.53	159.18	39.82	55.55	23.32
3414	18715	97.51	502.95	105.88	195.53	74.69
4271	1764	97.51	164.48	38.37	64.89	25.87
3825	15996	97.48	648.65	145.22	106.83	134.2

**TABLE 5S: CHLOROFORM**

Timepoint(s): 6, 24 hrs

Attorney Docket 44921-5038-01-WO

Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3247	1698	98.51	1026.18	160.21	207.5	206.39
2701	3650	97.58	91.37	23.19	35.71	20.82
1988	11363	97.29	878.58	58.68	502.12	172.77
2058	24048	97.19	914.74	77.01	526.63	176.68
493	17693	96.58	440.49	118.87	209.5	127.32
2993	21052	96.52	75.18	22.88	292	108.97

2502	17879	96.47	145.62	9.63	292.53	97.44
4190	21054	96.36	154.08	23.04	517.15	208.09
771	23147	96.13	344.07	62.8	177.07	84.23
577	13574	96.07	145.4	12.84	306.84	94.01
3395	16331	95.97	383.43	34.37	624.47	138.73
1016	23835	95.94	129.05	12.22	67.5	32.77
320	19269	95.89	722.37	71.77	478.25	132.04
1788	18642	95.86	380.48	76.72	828.49	218.16
666	18419	95.83	425.27	19.34	604.62	125.81
2164	4187	95.75	81.61	10.56	25.38	28.98
4107	229	95.73	411.49	47.15	681.58	159.02
1979	5235	95.57	419.63	54.94	277.47	62.34
3746	13164	95.38	4061.26	192.05	3792.73	2475.63
1974	7887	95.3	241.94	25.5	144.43	79.78
3395	16330	95.17	130.26	24.42	278.43	77.95
1960	11321	95.14	319.83	57.09	196.51	49.03
1199	1291	95.04	226.1	24.49	131.87	43.37
2547	2339	94.85	859.71	128.51	534.59	128.92
636	12312	94.82	423.49	129.08	974.52	266.11
1576	5696	94.75	112.23	29.12	298.61	106.77
1214	23417	94.61	390.49	71.48	229.34	72.03
2343	11291	94.53	45.99	5.76	84.42	26.18
2168	14717	94.53	412	49.52	699.51	156.26
1114	2874	94.51	104.89	10.71	44.65	39.9
502	6967	94.45	262.45	23.84	401.85	85.39
4160	20386	94.43	406.83	37.75	254.24	127.82
2937	1264	94.24	4746.55	317.98	4273.51	3342.66
7	16950	94.21	107.88	24.75	50.8	28.44
3980	16922	94.21	446.17	63.09	835.72	195.15
3170	16274	94.19	3918.47	367.71	4095.71	2903.05
296	1867	94.19	994.23	143.58	628.96	164
2271	18095	94.19	1279.13	265.77	866.9	213.89
4212	1959	94.16	2346.97	266.28	2985.07	1819.98
3372	2632	94.08	197.56	14.25	140.56	30.34
3600	12639	94.03	1480.19	215.18	1100.48	174.35
1524	3167	94.03	490.05	61.74	276.65	104.77
913	22601	93.98	358.75	64.82	215.51	66.86
2635	13294	93.9	520.88	49.01	347.57	107.05
1039	24135	93.87	210.45	25.46	112.71	98.41
3980	25479	93.87	657.86	120.96	1192.36	283.85
27	21120	93.68	177.75	26.51	107.33	34.74
3959	17109	93.6	4837.18	479.82	4960.42	4396.98
2686	6632	93.6	396.47	75.47	233.98	99.31
1579	5703	93.5	120.47	15.8	209.61	64.01
4010	1301	93.47	97.12	58.89	1382.83	961.51
3263	14533	93.42	5382.82	597.96	5068.79	4887.41
1562	19300	93.37	126.46	11.79	120.6	105.77
1867	18831	93.29	3838.52	845	2441.18	729.9
3983	16401	93.26	5666.92	728.09	5366.55	5006.22
1094	2486	93.26	296.6	32.75	519.88	164.96
2002	23152	93.23	803.87	39.59	595	262.75
506	14289	93.23	70.48	8.98	34.7	23.24
567	9254	93.21	108.58	16.61	184.02	48.24

4225	25701	93.15	71.44	11.51	141.12	46.99
3959	17112	93.13	4738.09	511.73	4697.94	3970.99
3897	21562	93.05	334.43	59.91	619.51	182.78
2637	22686	92.99	224.83	33.67	154.85	39.39
703	8988	92.94	22.01	12.02	90.11	53.34
2010	22986	92.81	149.8	16.77	92.36	31.79
2868	2578	92.78	232.68	29.72	159.8	49.22
1346	14455	92.75	117.56	37.88	300.46	117.41
2692	22805	92.57	350.99	24.57	271.98	50.87
3858	6357	92.54	354.03	26.07	278.38	40.24
2362	23120	92.54	443.21	51.99	327.64	65.59
1310	15905	92.52	100.56	4.52	78.27	26.87
3962	15017	92.49	4262.1	405.91	3977.48	2712.1
374	15160	92.49	163.37	17.92	73.92	57.85
4117	14535	92.46	3649.08	394.38	3683.17	2368.35
2544	17297	92.44	705.32	52.18	986.51	213.33
1118	2918	92.41	603.54	61.21	435.77	137.75
2785	14844	92.36	306.74	9.42	273.31	87.62
4272	463	92.33	33.05	3.04	21.01	9.15
2332	14983	92.22	4085.75	509.85	4036.01	3467.2
804	5242	92.22	63.44	9.39	35.94	23.04
3977	21439	92.17	36.83	20.04	144.12	74.65
3224	22582	92.14	189.83	67.17	438.63	142.34
2552	4093	92.14	817.52	94.67	569.56	162.3
1580	9963	92.12	296.03	91.08	755.79	299.64
3080	6478	92.09	3371.04	241.34	3235.32	1806.55
1512	7681	92.09	187.13	23.86	119.83	151.47
2133	11416	92.09	175.59	22.41	115.85	36.61
1086	2433	92.09	168.23	22.22	113.21	41.39
209	6237	92.06	351.73	47.56	626.46	217.46
3754	6157	92.06	128.59	63.75	368.4	174.91
1981	2917	92.04	547.9	65.94	385.71	105.91
1786	21965	92.01	397.48	15.52	326.88	111.61
3330	12524	91.99	574.54	70.55	392.09	111.97
3444	24321	91.96	377.58	118.35	802.34	260.94
783	5150	91.91	347.25	27.13	252.7	100.47
3663	18369	91.88	83.13	17.65	158.24	58.47
2939	25325	91.85	1492.66	266.62	1624.4	1181.5
294	16132	91.83	3510.5	334.58	3404.46	2228.63
3898	8820	91.81	160.03	74.11	42.21	32.25
2560	2587	91.8	1007.88	165.37	1651.59	458.35
1357	4213	91.75	4768.17	517.28	4465.84	3879.96
3779	16135	91.72	3542.31	360.64	3563.3	2542.93
3236	20864	91.68	2218.86	659.9	463.85	361.94
3020	25439	91.51	2750.3	337.84	2576.24	1801.84
356	6403	91.51	101.08	23.11	59.16	28.95
4058	25064	91.43	1658.04	147.59	1186.11	356.78
3451	20385	91.43	1284.1	109.61	958.15	280.55
3177	6109	91.35	3458.19	424.55	3589.94	2271.01
3715	17556	91.27	369.94	126.96	1013.01	481.72
902	19421	91.24	3278.13	238.08	2946.85	1758.3
4201	21152	91.22	4050.56	420.97	3591.86	2480.65
3879	15127	91.08	1100.03	176.98	691.7	326.55

3513	24434	91.08	75.59	41.77	233.63	99.98
2837	6601	91.06	78.16	11.75	47.96	27.24
3357	5622	91.03	1153.47	90.24	1597.32	376.89
3263	14534	90.95	5214.14	638.84	4597.01	3861.97
3334	14003	90.91	358.1	105.3	155.7	101.61
3749	25480	90.87	304.85	92.18	607.01	192.84
412	17111	90.79	4713.84	648.01	4311.5	3704.57
2931	1247	90.78	191.1	72.3	61.88	112.43
2984	4254	90.71	4197.28	524.51	4012.97	2555.4
3151	23670	90.71	3554.94	587.43	3553.81	2377.51
3246	1958	90.68	3307.6	376.65	3322.31	1947.51
577	13575	90.66	54.45	8.77	113.49	48.37
3879	15124	90.63	1806.5	204.59	1349.16	447.11
592	22537	90.63	181.08	56.15	409.14	165.31
3627	18375	90.58	126.1	14.44	91.34	31.59
3921	17512	90.55	321.62	22.21	426.9	102.97
3983	16400	90.5	5044.8	654.29	4459.51	3326.87
2921	25051	90.47	2781.06	275.87	2693.41	1554.51
3170	16275	90.42	3576.01	401.31	3435.09	2264.21
3314	17740	90.31	2314.24	183.74	2197.72	959.51
3328	15535	90.31	709.04	67.82	519.81	136.99
3215	8899	90.31	638.2	71.63	907.27	199.96
4092	15462	90.23	364.1	69.92	546.13	120.02
3849	17092	90.17	165.26	74.28	80.44	46.1
3428	19679	90.15	176.94	67.51	391.26	140.79
3019	20700	90.1	3026.81	303.41	2943.79	1601.29
3373	2078	90.07	154.54	20.05	226.25	56.33
3061	17787	90.02	1425.8	223.77	1563.93	1005.39
3389	6017	89.94	176.77	72.97	784.04	505.84
118	22025	89.94	2750.39	295.59	2698.62	1739.85
3353	15977	89.92	1258.29	69.49	1481.76	363.87
3042	1529	89.81	375.26	73.84	570.86	127.87
2753	15850	89.81	1621.86	170.59	1236.92	298.98
3625	18597	89.69	1033.3	244.85	603.46	198.84
389	11635	89.6	165.1	38.21	292.09	88.42
3568	18023	89.57	44.76	4.27	32.69	16.24
3044	4198	89.54	770.56	96.78	1092.04	232.07
3679	24811	89.23	949.05	277.46	1506.63	457.27
4285	1818	89.23	1880.72	160.32	2112.05	832.53
3274	10886	89.12	488.98	188.27	978.76	410.42
3156	17541	89.08	3133.01	516.66	1624.18	633.7
4091	2010	88.99	2685.61	201.01	2685.53	1264.49
3287	10504	88.93	633.53	107.87	954.15	261.4

TABLE 5T: CI-1000				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
1740	9348	98.49	1119.06	106.68	240.12	258.7
2731	1689	98.44	11663.03	769.78	4841.79	2231.75
226	6176	98.33	134.25	5.78	69.69	37.39



3217	26150	98.22	2816.27	190.75	947.13	757.25
1867	18831	98.09	1346.77	61.75	2450.01	734.56
3734	25469	97.93	4103.86	466.15	1622.37	743.26
2087	3695	97.46	84.74	0.74	69.03	32.02
3734	17832	97.24	5980.7	968.47	2559.55	1128.7
1771	17705	97.24	87.47	2.17	131.3	38.88
3734	25468	97.22	5871.4	822.1	2315.04	1088.73
3982	15190	97.19	5805.82	413.05	1830.41	1706.66
1124	2978	97.11	254.71	2.81	200.07	43.28
1613	10084	97.03	325.12	10	208.71	72.05
1649	900	97.01	72.3	0.57	85.65	30.23
1694	1831	96.9	166.28	42.24	65.9	44.07
3232	16448	96.87	221.4	10.34	129.59	47.69
2370	1687	96.85	5019.6	913.56	1963.38	912.68
3416	18702	96.77	30.93	1.62	59.35	24.22
2323	18907	96.66	204.05	60.82	72.17	44.75
1324	19358	96.63	2395.5	432.8	1028.14	440
3264	18973	96.53	408.27	6.44	330.36	81.06
3074	20704	96.5	1935.12	66.06	1302.84	849.41
2214	16518	96.45	321.92	36.91	774.58	339.34
1047	20827	96.45	4685.64	104.07	3331.65	1146.08
2699	8440	96.45	84.28	2	134.58	53.16
2473	16093	96.34	251.65	5.62	330.3	73.8
2207	26029	96.32	524.68	85.69	197.34	331.42
2913	4421	96.26	31.04	0.56	24.91	14.99
1520	2911	96.26	1149.56	10.22	1186.85	363.84
3217	1684	96.24	7293.26	1206.98	2884.54	1702
3198	1588	96.16	125.56	10.3	234.96	84.86
1075	18830	95.52	1531.89	110.26	2709.7	970.19
1769	15192	95.52	643.74	107.72	290.8	246.84
833	11168	95.42	28.18	3.88	66.66	41.37
3982	15189	95.1	5549.7	1134.44	1652.01	1653.26
2512	1688	95.07	14035.38	1640.74	5499.6	4116.85
1293	1830	95.05	64.95	18.63	21.65	18.89
2206	15191	94.99	4136.71	785.92	1214.16	1325.62
1036	22358	94.86	195.25	6.77	136.73	50.51
3900	18779	94.75	168.9	6.08	115.42	48.42
3593	16106	94.7	31.12	0.59	37.35	9.79
1048	12513	94.62	61.5	2.62	86.95	44.13
474	15152	94.52	79.23	2	69.15	48.04
885	22452	94.46	968.4	164.48	398.16	337.68
1699	16799	94.41	49.78	1.54	42.9	28.15
4214	25689	94.36	517.69	30.83	848.73	396.58
3340	17516	94.17	168.93	9.54	250.4	79.22
3751	14934	94.14	55.19	0.68	64.32	15.7
1870	18277	94.12	557.56	20.35	740.89	141.7
1443	7248	94.09	38.08	7.5	89.66	55.5
3792	21941	94.01	344.6	12.95	462.37	110.4
3707	15069	94.01	471.57	80.38	902.27	383.19
3734	17829	93.99	4333.9	486.1	2369.17	1195.49
2424	4424	93.91	56.64	3.41	31.04	23.58
3915	17413	93.83	659.19	23.08	909.61	227.55
3451	20385	93.83	578.63	67.26	960.53	280.5

1069	2335	93.8	431.55	66.41	245.92	87.78
3079	16895	93.77	2649.19	154.93	1709.47	560.22
1822	22628	93.72	25.58	5.22	71.3	35.43
1819	11655	93.69	154.46	4.71	122	38.32
316	21510	93.69	441.54	47.3	259.53	280.2
1401	13093	93.69	385.88	43.46	911.73	466.4
1794	18565	93.61	162.81	32.41	344.27	115.72
190	6073	93.61	77.04	28.13	28.03	32.82
994	12427	93.61	42.62	1.6	23.21	57.07
1188	3062	93.59	4551.37	224.62	3297.83	911.63
1027	23971	93.59	88.18	2.46	94.9	52.37
1859	26213	93.56	1332.94	142.23	726.5	399.92
2163	12614	93.48	39.17	1	38.82	25.57
552	4373	93.46	159.5	2.17	145.27	29.44
2779	15170	93.46	278.52	15.31	195.95	56.72
2414	14539	93.43	388.71	53.49	224.66	82.82
1780	5597	93.35	124.8	8.27	171.63	43.05
2468	17245	93.32	121.48	25.18	47.7	38.21
2565	14030	93.3	536.36	109.06	216.3	153.4
2539	13092	93.27	90.81	12.54	220.59	123.77
526	17374	93.24	159.15	4	155.64	47.69
1054	2170	93.24	50.03	3.62	23.51	38.54
2738	18259	93.24	29.7	9.71	139.24	145.94
1947	21520	93.19	62.39	3.52	93.61	37.7
1717	9788	93.19	223.94	22.75	145.14	56.35
2600	3917	93.14	1058.13	61.96	1585.69	511.01
1414	7120	93.14	70.56	21.75	26.15	24.72
3693	17941	93.11	4139.62	121.38	3532.95	1243.32
2423	9038	93.08	166.26	11.73	106.47	49.95
1015	22899	93.06	214.03	22.89	115.34	58.49
3991	3015	93.03	2728.93	62.89	2090.55	844.86
1929	7317	92.98	153.22	26.42	93.94	31.35
164	6030	92.87	88.81	5.68	50.11	29.67
1789	21691	92.87	207.16	11.93	129.74	71.36
3740	15028	92.87	2666.16	685.31	1745.89	514.79
3600	12638	92.82	38.16	2.07	27.67	11.9
2415	24256	92.82	503.76	41.71	365.09	80.31
2384	6955	92.79	830.1	14.46	764.72	168.6
3154	11138	92.79	152.11	7.87	232.89	112.5
1958	16510	92.77	120.69	14.26	249.77	104.19
2648	4918	92.66	138.77	9.53	207.56	103.06
3707	25460	92.66	558.43	90	1147.68	555.33
16	20042	92.63	1097.8	125.23	648.75	259.83
2024	24592	92.61	165.39	25.31	80.41	78.32
3142	16947	92.55	1199.72	27.11	1152.83	323.32
3364	1173	92.47	2804.78	316.14	1568.73	699.94
3707	15070	92.26	127.65	24.33	364.34	193.53
3272	23660	92.21	2040.62	192.33	1332.13	418.16
3817	13368	92.08	39.44	3.31	62.97	26.78
2798	25883	91.94	3932.88	355.54	2245.19	1050.2
3274	10887	91.94	93.73	3.33	106.04	32.97
4243	20821	91.89	1644.6	43.84	1449.04	289.09
626	3879	91.63	2574.07	131.35	1888.13	621.48

3356	14974	91.39	114.7	12.49	66.5	85.23
4205	575	91.28	1380.58	285.09	904.09	309.56
3464	15931	91.12	33.91	1.6	39.37	26.03
627	10538	91.1	713.55	133.83	338.55	228.89
445	18897	91.07	62.38	14.08	122.47	46.53
3101	18619	91.02	1416	36.06	1381.4	388.65
3357	5621	91.02	281.77	36.22	181.68	68.52
3182	20928	91.02	100.39	10.77	182.62	104.68
3794	21153	90.91	3700.3	170.48	2825.69	936.69
67	20998	90.89	1552.14	68.22	1246.06	337.2
3434	25579	90.83	3697.94	615.15	1967.12	1001.84
3203	2667	90.81	806.53	18.41	808.22	201.34
3841	25073	90.81	24.52	1.26	21.97	13.43
2930	20430	90.78	664.84	48.53	824.6	380.17
2847	25257	90.57	40.41	10.14	99.58	68.46
4187	428	90.51	5291.38	342.33	3013.89	1815.85
3599	1175	90.36	1097.38	120.72	629.33	347.89
419	15980	90.28	46.06	2.82	63.57	23.32
4160	20386	90.25	134.59	21.64	255.2	127.97
3583	16562	90.2	186.65	5.61	206.42	73.55
3489	12422	90.17	49.84	4.02	68.91	21.63
3313	24598	90.14	145.61	5.92	183.15	42.11
3473	8212	90.09	2912.15	248.8	1978.57	730.81
2878	2744	90.06	125.31	14.76	208.22	84.44
3604	20807	89.93	1034.09	39.88	909.72	212.47
2958	25370	89.88	47.15	17.84	156.67	91.78
3689	16178	89.83	119	5.56	154.44	38.67
3654	15803	89.69	55.6	3.15	40.87	24.45
3166	16871	89.64	38.44	2.92	57.14	23.7
2834	25233	89.61	32.66	2.3	42.98	22.17
551	4244	89.61	105.22	8.16	153.57	49.47
3129	10260	89.59	130.8	10.92	201.6	82.64
2930	20429	89.53	483.9	39.45	624.76	261.28
493	17693	89.53	134.8	9.36	210.68	128.25
1257	1804	89.48	4358.97	669.93	2600.59	1266.28
3093	18747	89.37	68.97	7.78	156.02	124.22
429	7040	89.32	31.75	3.06	44.97	24.18
1942	13091	89.27	74.62	13.07	158.55	81.64
3290	13392	89.27	124.91	7.81	147.55	54.97
4046	1130	89.22	3021.37	272.48	2117.73	612.24
3374	15347	89.19	76.44	6.45	118.12	45.9
3256	24861	89.19	50.98	6.44	81.92	34.59
3643	4012	89.16	3659.54	300.47	2434.01	1159.92
2963	43	89.14	336.52	17.02	435.43	131.85
3815	5798	89.11	95.1	3.6	100.23	35.19
3180	18695	89.11	60.44	12.13	116.06	47.35
25	16942	89.06	2010.3	92	1432.3	498.76
3818	15376	89	108.63	13.82	185.27	68.68
1507	1876	89	647.53	40.04	773.9	203.34
3334	14004	89	30.98	4.98	75.64	62.63
4170	1602	89	373.48	22.12	466.75	109.45
4108	90	88.98	44.95	7.72	43.45	36.04
3240	21078	88.95	642.09	31.2	738.5	215.53

3089	20126	88.95	47.69	5.61	107.78	76.42
294	16132	88.95	5548.49	617.73	3399.23	2224.03

TABLE 5U: CLOFIBRATE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 72 hrs				Document No: 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3958	17758	99.92	4343.21	266.24	350.65	300.88
3345	16148	99.92	4832.38	271.82	1024.63	315.29
3025	20713	99.89	4038.49	187.28	708.32	486.48
738	20711	99.81	1748.68	109.05	130.53	184.3
3495	20925	99.79	3531.08	358.1	409.89	405.06
2840	18686	99.71	4822.54	404.2	694.99	568.56
3722	20555	99.66	1569.01	201.74	336.43	174.09
3335	18687	99.66	4931.26	383.45	648.45	538.77
3923	18293	99.52	3927.89	314.97	1363.17	422.7
4192	20715	99.52	3850.93	506.36	373.13	383.93
2992	20714	99.52	3691.04	389.06	558.8	680.95
864	22370	99.5	639.52	35.12	266.37	102.63
3058	23698	99.44	4628.68	846.64	345.13	326.42
3058	23699	99.44	3687.73	615	633.78	254.45
3345	16150	99.36	2966.93	455.8	662.49	244.25
3855	16190	99.34	2283.8	349.19	753.37	196.56
2914	9598	99.28	730.57	294.8	156.27	97.78
3335	26109	99.26	2652.69	536.67	139.36	222.18
2528	4272	99.23	643.72	136.8	32.17	66.91
3889	6613	99.2	1727.55	232.16	715.2	222.62
3819	18175	99.2	1053.29	94.78	495.63	115.6
3821	10909	99.13	3621.5	389.28	1866.09	361.51
237	320	99.13	4073.6	333.1	2163.76	430.02
750	18891	99.13	1311.32	273.41	298.09	158.9
1817	11228	99.1	2002.17	324.97	752.04	242.27
702	18890	99.1	3058.12	535.31	742.82	331.65
793	4271	99.05	921.87	197.26	57.23	125.9
2338	16703	98.99	2963.52	393.12	1163.55	371.89
1285	16701	98.99	5433.88	638.56	2264.91	695.96
3555	25070	98.99	1029.95	79.96	498.56	126.32
2325	5887	98.99	946.58	182.54	66.01	129.21
3555	9929	98.97	1402.26	95.75	669.81	178.07
875	22416	98.91	755.3	164.6	144.97	96.33
1886	18742	98.91	1760.78	373.07	341.02	170.33
1234	22603	98.86	824.94	95.95	259.6	106.55
2574	15582	98.83	18064.61	3513.5	5681.19	2782.99
3929	16768	98.81	1244.55	138.88	492.57	157.29
691	12094	98.78	13551.44	2053.03	4815.03	1760.05
1559	9889	98.67	3584.95	392.45	1740.87	566.84
3722	20554	98.67	1139.45	262.06	260.89	128.06
3270	18958	98.67	1064.17	327.8	323.18	118.77
777	21010	98.59	2684.13	543.55	670.37	274
1234	22602	98.57	509.16	79.42	120.78	84.99
914	22604	98.54	3217.77	515.96	1024.21	456.07

2272	26258	98.52	185.22	28.32	62.89	37.76
1088	2457	98.49	1007.51	198.15	249.94	147.3
536	14595	98.49	543.46	156.29	66.63	78.11
2643	15085	98.44	3859.87	895.71	1423.72	411.39
4030	21355	98.41	2421.28	618.95	294.87	257.53
692	21354	98.41	3336.63	699.67	416.35	370.25
3240	21078	98.38	1327.23	77.63	736.37	213.03
2208	11488	98.38	919.49	146.95	502.88	102.68
3680	17554	98.38	3432.54	274.92	1567.61	599.69
1343	3882	98.36	1464.51	214.6	739.18	257.23
2850	1728	98.33	783.36	128.64	248.59	110.26
3929	16767	98.33	1354.82	126.05	603.35	194.09
3270	18957	98.22	1062.29	324.51	368.96	143.77
1687	8944	98.2	220.96	29.86	48.84	60.94
2589	5602	98.2	1415.65	374.77	203.93	200.91
3235	397	98.14	216.97	70.09	67.64	37.91
2881	20984	98.12	1959.77	170.24	1179.44	298.82
3731	17933	98.12	388.37	45.29	128.26	70.88
3927	9268	98.09	456.37	154.17	158.65	58.95
2615	17907	98.06	326.92	39.31	202.01	75.56
3716	17601	98.06	22.99	7.77	102.61	39.77
282	21341	98.01	1938.43	241.9	853.21	297.67
219	6281	97.99	512.37	48.11	324.35	58.67
2600	3917	97.96	3349.54	340.65	1578.68	501.75
2592	3860	97.96	1081.59	238.46	392.5	156.93
2013	23427	97.93	917.62	239.04	313.02	109.95
3145	21730	97.88	598.68	206.3	218.13	71.08
3478	4940	97.83	683.55	132.09	1611.12	445.42
2068	9757	97.8	494.26	56.87	282.13	68.97
1385	14267	97.77	2984.22	680.98	1184.96	371.98
2932	1977	97.72	1020.16	170.93	366.19	168.41
1949	9192	97.69	4096.9	708.35	1616.91	652.35
3073	20705	97.67	221.95	33.02	1030.04	949.07
3678	23884	97.64	925.8	122.04	489.63	135.64
3357	5622	97.64	922.33	62.09	1597.59	375.9
345	14987	97.61	1228.83	106.11	634	216.18
1314	12071	97.61	265.94	25.71	636.69	183.04
3288	20859	97.59	101.49	17.4	41.86	20.29
1452	7274	97.56	196.38	35.41	76.78	53.53
1955	22598	97.53	497.2	54.98	998.96	358.46
3198	1588	97.53	112.74	10.64	235.05	84.79
1486	7420	97.53	1589.12	124.08	849.99	310.11
763	2888	97.51	5090.37	1013.68	2667.52	735.19
1351	12095	97.51	4554.54	1260.62	1028.41	963.8
3879	15124	97.51	2386.45	98.41	1347.8	444.17
1830	3279	97.43	1355.2	310.06	696.96	189.95
4035	6439	97.43	552.98	103.15	250.84	106.45
3993	18867	97.43	342.54	49.74	827.42	221.91
614	3439	97.4	236.56	73.58	77.41	39.17
1268	3121	97.38	1549.14	223.41	816.14	246.95
275	14608	97.3	458.62	116.38	143.07	79.39
1514	2997	97.3	816.62	190.44	373.39	117.76
3960	19706	97.3	77.93	7.9	30.12	19.66

3014	15580	97.27	4145.83	506.31	2241.47	622.83
3555	9931	97.27	1120.73	160.22	613.76	152.17
3880	15391	97.24	1403.72	60.04	985.38	181.31
3168	16721	97.22	538.92	117.91	259.31	72.3
3528	15755	97.19	359.09	47.16	741.61	180.12
4029	1448	97.19	1513.44	141.66	1026.35	174.25
67	20998	97.14	662.89	63.54	1248.73	336.04
3798	20896	97.14	133.96	19.91	51.41	36.24
3472	20915	97.08	1874.74	547.14	531.17	357.71
3150	6780	97.08	1478.51	242.15	784.31	188.66
3857	16546	96.95	483.39	75.63	190.97	85.98
3451	20385	96.9	1722.6	211.5	957.1	277.74
409	23336	96.74	82.28	13.47	24.34	24.41
3879	15126	96.58	2472.12	192.84	1272.01	536.04
3653	5497	96.47	268.56	52.04	643.53	187.59
3306	9125	96.47	430.68	19.22	637.3	138.22
3103	9423	96.42	406.36	57	816.82	299.71
3708	15601	96.31	542.49	77.82	311.02	81.12
3428	19679	96.24	102.17	46.76	391.28	140.5
3044	4199	96.08	570.28	34.8	893.23	205.08
3891	15409	95.94	1695.04	435.99	596.51	278.51
3879	15125	95.92	3141.59	357.01	1644.35	618.57
667	16435	95.86	641.65	99.05	403.2	92.68
3339	20789	95.86	301.49	35.02	673.71	228.21
3731	17934	95.84	420.47	70.14	176.47	91.01
3191	19391	95.76	106.23	30.01	320.84	127.13
83	23344	95.68	198.58	22.06	376.74	127.18
39	18361	95.63	816.14	113.28	423.56	180.45
3044	4198	95.6	696.37	52.9	1091.93	231.88
3653	5496	95.55	198.29	57.48	493.64	155.04
3891	15408	95.52	882.69	232.18	290.68	161.55
3255	17807	95.52	3710.41	370.55	2042.29	723.87
699	23778	95.52	104.01	32.08	33.88	44.51
4277	420	95.52	268.23	28.95	117.26	70.6
3604	20807	95.49	1184.2	42.45	909.18	212.05
3667	15175	95.41	354.67	24.95	231.61	67.27
3907	19831	95.33	55.1	5.13	109.2	38.26
3709	16535	95.23	2237.41	263.73	1174.29	432.96
629	17752	95.2	246.91	27.29	472.26	141.98
3967	2368	95.15	778.62	49.59	1082.87	201.61
549	11982	94.99	118.82	5.95	186.38	57.29
2911	4407	94.99	65.96	8.89	144.31	57.72
3127	24722	94.91	460.51	72.03	824.22	216.67
524	4473	94.91	26.49	3.24	55.54	22.35
3162	15872	94.83	207.44	49.53	499.69	169.76
2970	32	94.75	424.08	20.75	296.77	83.18
3823	7927	94.75	76.06	38.92	286.68	116.24
3949	17886	94.75	714.79	133.15	1253.26	424.96
3276	2149	94.67	593.63	63.58	972.93	221.98
509	3844	94.67	125.56	21.18	66.73	28.7
3879	15127	94.67	1402.98	197.11	691.16	325.01
3932	21849	94.62	243.88	13.57	156.96	60.6
3074	20703	94.57	62.56	49.61	451.21	482.8

3607	16847	94.57	964.06	60.35	716.81	171.47
3470	24535	94.54	261.56	52.28	609.69	205.34
3272	23660	94.41	501.98	224.21	1336.65	417.15

TABLE 5V: COLCHICINE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2346	22852	99.02	930.09	103.59	404.94	141.26
3687	14184	98.81	613.16	114.48	195.53	106.93
3687	14185	98.7	1105.25	252.52	313.86	179.44
3309	20529	98.14	795.85	286.58	129.22	186.3
2118	20783	98.09	165.38	29.95	51.81	40.33
3838	20869	98.04	173.46	44.44	59.95	48.66
1672	7743	98.01	218.51	24.38	111.11	54.34
722	22897	98.01	136.82	41.12	42.67	24.36
4030	20698	97.96	2770.67	743.06	891.64	430.09
609	3438	97.88	139.37	41.23	39.05	23.66
435	20701	97.88	2652.49	668.34	875.67	375.55
3750	14927	97.8	119	27.02	46.5	19.88
3741	12577	97.8	719.04	218.56	156.33	141.68
292	22721	97.66	34.18	8.2	82.29	21.3
2515	19315	97.51	290.65	38.36	107.83	59.7
1926	4969	97.51	1091.37	441.09	260.97	253.83
722	22898	97.45	359.56	66.18	134.14	71.92
376	4267	97.43	933.47	240.99	350.09	150.71
660	3895	97.37	76.83	14.81	27.09	23.39
2704	14766	97.27	975.69	251.84	499.81	119.99
3750	14926	97.27	196.66	37.87	85.9	30.44
4171	1520	97.11	69.78	11.41	27.44	14.49
16	20042	97.08	1364.3	159.08	646.91	256.74
210	24654	97	154.31	32.81	59.27	29.32
1366	6986	96.97	366.7	89.43	150.41	57.38
3072	20305	96.97	134.96	13.59	60.91	29.76
1770	24165	96.92	123.07	7.89	51.4	38.22
4008	15239	96.87	1067.13	252.66	626.68	244.11
1153	1437	96.87	1374.11	381	401.62	265.64
2293	1050	96.87	91.8	10.55	39.1	24.08
1912	22522	96.82	103.64	45.53	249.18	62.96
3461	17161	96.79	1886.68	290.38	783.37	364.98
3511	25303	96.76	114.07	30.63	28.28	31.26
3661	6554	96.71	266.95	43.79	612.19	161.23
1928	1841	96.68	121.92	30.1	47.21	52.54
874	17901	96.68	239.38	18.39	355.73	59.41
1725	20123	96.63	57.54	46.24	306.83	107.02
2735	14777	96.58	157.41	20.98	80.72	45.18
2654	6532	96.58	239.36	49.97	140.67	43.43
3673	16205	96.52	1831.26	405.3	1095.62	258.1
3769	23276	96.5	2015.45	253.29	1355.67	239.94
1406	13569	96.5	150.96	44.19	65.53	27.13
3364	1173	96.5	152.08	157.25	1578.02	697.32

3132	18236	96.47	123.08	21.01	55.44	24.23
1751	10940	96.42	627.7	72.81	360.25	115.78
1036	22358	96.42	280.2	46.68	136.28	49.69
1393	4286	96.42	131.24	26.57	65.71	25.55
1018	10155	96.39	75.44	29.39	22.27	17.5
2657	14187	96.36	136.78	30.94	59.92	31.83
4258	16725	96.31	290.52	56.52	161.43	45.47
427	15115	96.26	52.07	6.32	26.41	13.57
4210	18250	96.26	1494.73	260.81	951.28	198.32
39	18361	96.23	861.64	126.56	422.95	179.57
1320	3828	96.2	2125.02	515.34	1188.51	342.23
2833	23220	96.2	142.44	10.45	84.56	30.09
2594	14278	96.18	322.46	43.46	167.49	63.88
2608	18794	96.15	201.16	23.55	101.45	46.48
877	15606	96.07	318.81	66.22	611.89	139.05
1657	8116	96.05	75.96	8.11	37.13	21.12
862	2658	96.02	323.68	89.03	702.78	167.92
4013	19150	96.02	98.77	15.53	43.43	22.87
3599	1175	96.02	26.68	53.03	633.13	346.79
189	4491	95.99	270.2	34.05	151.38	63.04
291	3400	95.97	88.54	17.75	200.03	80.9
279	22027	95.94	4655.49	554.23	8643.43	7670.41
965	23578	95.94	432.39	66.61	261.35	69.5
1073	2649	95.91	291.82	59.57	47.4	127.5
1829	15128	95.89	641.44	181.52	332.73	181.72
568	11991	95.86	151.29	10.76	90.47	28.5
3933	20879	95.86	98.02	96.4	625.24	270.06
832	22121	95.83	53.25	8.34	21.37	16.77
2506	20055	95.83	211.75	55.29	67.85	74.1
2350	22961	95.81	189.36	48.95	87.7	38.66
3373	2078	95.81	112.19	21.19	226.43	56.03
3090	4449	95.78	76.38	27.23	239.43	92.91
3771	21866	95.78	320.77	48.03	177.88	78.44
3090	4450	95.75	89.71	18.25	197.4	60.95
605	16367	95.73	336.75	311.78	1422.01	540.85
1049	16577	95.65	325.5	69.75	675.31	194.49
3744	1524	95.62	29.96	22.6	148.09	63.97
3130	1371	95.59	127.98	15.48	43.22	41.48
1765	4444	95.54	62.9	59.18	619.83	352.07
1450	15130	95.54	453.23	46.32	279.3	72.41
3250	18988	95.51	37.7	22.25	223.31	129.67
8	6050	95.51	290.02	55.7	140.73	60.71
2476	12587	95.51	25.2	8.99	109.66	48.1
3948	15524	95.36	779.76	15.81	976.29	189.31
2480	2732	95.3	368.18	63.9	174.69	82.83
2549	7001	95.3	259.45	109.42	74.15	82.69
1784	11213	95.28	664.44	54.07	1090.18	261.1
640	1562	95.28	371.61	117.3	883.62	224.76
34	17577	95.14	126.3	11.61	71.95	28.77
760	12372	95.14	151.49	24.17	80.79	29.72
2219	2536	95.14	121.28	32.12	599.69	347.1
2758	17323	95.12	156.38	30.55	47.9	49.73
2192	14159	95.09	76.07	14.93	34.46	18.9



985	9984	95.04	36.18	9.59	83.2	30.87
2586	14056	95.04	147.43	46.32	64.43	41.07
1967	11588	94.98	31.62	11.38	91.34	35.27
3689	16178	94.96	230.36	20.52	154.03	38.4
1703	11024	94.96	286.35	45.67	123.25	76.43
3599	15202	94.82	1360.13	309.95	652.72	553.54
3151	23670	94.82	3160.82	338.65	3555.49	2377.55
3471	1069	94.8	2504.18	433.23	1607.59	389.6
4246	556	94.77	483.7	42.63	669.24	129.02
4283	25777	94.51	318.97	85.7	686.72	243.95
418	21690	94.35	117.13	14.99	62.61	32.75
2985	17086	94.32	63.38	8	121.52	47.23
3315	15598	94.29	294.91	49.72	564.78	141.56
2977	20170	94.29	230.07	21.39	376.22	127.27
3670	21575	94.27	833.24	128.05	534.39	128.49
4256	1548	94.27	366.2	87.14	651.06	143.58
3100	20798	94.24	77.23	13.02	145.03	41.04
2827	19870	94.21	54.4	8.65	28.04	13.3
3715	17556	94.19	314.74	97.02	1013.24	481.42
3028	24662	94.06	59.66	8.75	29.59	16.79
454	19381	94.06	52.89	5.35	26.9	17.61
3375	20938	94.03	465.66	20.9	612.87	105.01
608	24280	94.03	177.05	33.05	96.6	68.57
2955	109	94	4019.15	282.51	3933.32	2217.69
3457	10509	94	22.52	30.34	138.95	53.74
518	23107	93.84	56.69	3.87	35.25	14.04
3346	16382	93.6	87.58	21.75	39.77	49.97
101	12069	93.52	30	9.05	71.35	24.33
4	4438	93.5	67.84	9.93	38.19	21.02
3061	17785	93.39	4403.33	474.85	4273.69	3219.49
4203	7459	93.39	2114.65	109.27	2329.39	893.94
3688	21646	93.31	89.17	10.32	148.08	39.59
534	19469	93.31	239.24	99.77	477.76	113.28
498	9905	93.29	356.65	146.81	648.34	150.42
4191	25084	93.29	53.93	18.21	141.33	54.37
3183	19108	93.18	44.89	9.04	20.38	23.93
3336	23130	93.13	312.03	41.91	524.74	145.93
4201	25678	92.99	84.27	15.23	37.42	123.26
3143	960	92.94	110.27	25.79	215.94	65.71
3144	10247	92.89	60.51	7.38	33.74	22.82
426	22781	92.86	147.35	12.71	94.08	54.86
3403	18820	92.81	186.68	17.72	121.96	45.73
2320	1572	92.81	127.62	22.72	73.1	32.46
3731	17934	92.7	346.45	78.42	176.52	91.37
3172	7897	92.7	3762.04	261.66	3454.37	2130.83
3196	23543	92.6	867.78	78.37	585.69	160.55
3305	16269	92.54	96.43	12	58.05	21.96
2957	1481	92.49	112.99	21.45	58.22	29.63
1441	1205	92.49	74.93	7.42	49.91	28.89
4096	1392	92.46	143.78	16.61	82.05	47.19
3263	14533	92.44	5361.59	747.63	5068.88	4887.34
3049	13488	92.44	43.02	6	74.03	21.79
3532	4228	92.44	110.28	15.82	199.05	68.63

903	4185	92.41	3631.55	542.24	4098.24	2986.08
1887	17171	92.41	136.2	29.48	286.4	176.16
3634	634	92.4	434.92	266.41	1538.17	416.25
961	1809	92.34	2513.01	1078.75	125.3	723.32
461	2846	92.22	38.62	11.73	86.71	30.18
3095	1299	92.14	23.72	37.72	203.01	224.06
3634	25525	92.13	391.78	249.85	1352.55	362.92
43	18333	92.12	67.56	8.25	107.48	28.89
3343	24247	92.06	24.23	11.88	208.45	230.28
3357	5622	92.05	3055.75	524.7	1589.25	364.4

TABLE 5W: COLCHICINE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2218	3431	99.92	3003.78	137.68	1039.49	297.06
906	12309	99.87	103.17	6.79	394.9	128.08
1083	1322	99.81	152.11	57.45	4147.31	2078.8
3729	8817	99.79	1652.09	73.44	793.99	189.21
3782	14380	99.76	104.76	24.58	686.81	268.39
1354	18657	99.76	1070.31	92.78	283.11	78.12
1290	3365	99.76	141.98	8.14	805.22	237.27
1720	9805	99.76	102.1	16.87	392.85	100.3
299	3924	99.74	61.79	13.53	327.39	114.57
3578	8815	99.74	1667.42	133.87	537.52	121.88
2671	18999	99.68	672.86	62.96	152.02	50.17
3319	15300	99.68	3063.12	397.15	224.88	176.58
207	15147	99.66	1984.86	272.98	434.67	269.97
1353	5466	99.66	311.72	16.39	109.06	36
564	23194	99.66	701.23	73.28	152.16	68.4
948	8639	99.63	1929.61	166.63	624.27	214.67
2795	7176	99.6	473.27	90.16	55.97	31.41
2243	15146	99.58	969.49	161.91	220.76	103.89
1508	7003	99.58	60.89	5.14	397.24	127.85
3866	16809	99.55	209.43	14.77	29.37	24.23
1737	1501	99.55	2201.06	140.82	497.76	236.01
600	17590	99.52	327.38	10.42	105.78	45.45
2600	3917	99.5	370.95	91.31	1587.52	507.88
1608	8065	99.5	107.12	12.8	336.5	104.7
2387	1455	99.5	628.63	89.56	178.93	69.93
106	4843	99.5	209.57	9.38	489.28	117.19
232	11021	99.5	37.55	4.37	260.43	96.17
3890	17477	99.5	337.07	55.28	52.04	34.64
2291	659	99.47	71.08	3.9	24.09	13.68
319	21529	99.44	659.77	23.86	322.94	96.45
3319	15301	99.44	1516.47	193.51	22.03	103.56
13	18396	99.42	144.42	12.71	45.05	46.53
1867	18831	99.39	5369.55	261.46	2439.35	721.08
3486	9541	99.39	910.79	103.83	70.09	100.96
3987	4593	99.36	124.94	16.63	42.19	162.72
2759	5059	99.36	582.33	263.05	78.72	248.28

2401	13981	99.36	220.09	50.19	51.29	21.07
826	22677	99.36	679.46	91.5	120.32	67.79
3227	16982	99.34	3559.85	425.59	328.05	447.29
2679	8850	99.34	275.16	43.63	69.18	33.89
2200	3014	99.34	124.98	27.93	21.52	12.04
2536	13469	99.34	92.95	8.22	28.79	15.23
3987	4594	99.31	179.56	52.13	51.1	258.46
844	22242	99.31	205.26	26.42	47.27	47.56
683	4607	99.31	239.07	21.78	92.71	36.92
2395	23944	99.31	763.5	65.73	359.91	70.59
3175	24431	99.31	497.97	36.23	62.76	149.74
3057	22515	99.28	525.18	166.82	128.66	396.93
1844	21579	99.28	456.96	47.95	201.32	109.9
330	21574	99.28	2212.4	196.93	979.84	265.55
1396	12751	99.28	502.26	102.49	139.18	46.22
1344	15644	99.28	3580.73	254.81	1364.27	373.04
2501	18529	99.28	316.71	27.18	70.52	38.9
2048	5297	99.26	123.7	11.89	32.51	32.47
958	17499	99.26	283.23	105.3	25.57	88.72
3848	15934	99.26	21.46	6.55	128.62	55.85
1624	8206	99.26	3401.55	303.15	1045.12	515.69
1816	8837	99.26	62.75	7.7	217.89	57.87
3639	20448	99.26	569.14	151.04	41.49	68.65
4140	21654	99.26	1204.09	81.08	404.24	144.25
961	1809	99.23	1532.27	217.07	131.69	738.56
2498	13446	99.23	294.87	45.69	33.66	33.96
3558	13633	99.23	1384.8	96.79	496.93	213.99
2703	21414	99.23	729.49	177.7	118.2	172.81
364	6431	99.21	558.21	120.21	185.97	237.27
1939	20920	99.21	2028.46	278.16	787.34	254.71
385	11852	99.21	69.06	12.64	206.91	59.32
1187	13549	99.21	804.95	145.11	195.07	123.29
3863	15645	99.21	2319.1	172.44	896.55	376.2
878	22681	99.21	2994.7	468.23	151.35	329.73
3379	17908	99.21	510.9	42.69	71.6	114.43
2333	8477	99.21	835.72	41.61	300.88	115.6
3185	2555	99.21	1057.83	181.9	124.95	74.9
1495	7380	99.18	229.62	32.08	79.02	45.87
2674	23583	99.18	284.79	27.62	57.13	38.91
68	14504	99.18	1098.04	281.78	141.17	171.13
1871	7006	99.15	198.8	40.87	40.65	30.8
1507	1876	99.15	269.06	21.19	774.91	201.78
2217	2161	99.15	2065.98	202.96	365.35	266
135	1802	99.15	958.14	123.29	319.92	103.52
818	3817	99.15	420.66	33.32	198.94	64.82
988	12928	99.15	1593.8	259.08	506.57	117.73
2196	21130	99.15	395.82	51.09	73.02	49.29
719	4822	99.15	277.53	21.42	66.12	45.47
790	8092	99.13	172.8	60.11	26.22	182.1
1392	2516	99.13	630.45	41.76	1186.15	265.28
1093	2492	99.13	368.13	53.74	137.06	55.51
1075	18830	99.13	6793.8	359.02	2695.75	948.83
3639	20449	99.13	786.03	179.41	38.81	96.78

2508	4731	99.13	517.14	63.34	53.46	74.66
3094	2629	99.1	134.91	17.76	31.8	53.72
2339	8849	99.1	501.65	99.54	120.56	47.2
3030	64	99.1	41.73	3.35	134.74	44.02
1253	22746	99.1	706.13	34.54	276.91	131.44
2284	19184	99.1	951.19	208.78	86.33	89.57
1635	8314	99.07	536.91	153.9	165.87	596.39
2653	22140	99.07	1120.9	117.41	637.1	123.23
1706	9668	99.07	234.87	24.59	79.62	37.6
3796	21445	99.07	261.65	69.49	20.06	48.59
57	14250	99.05	448.93	153.45	43.24	32.31
507	20523	99.05	424.46	47.64	48.23	66.12
3835	20421	99.02	63.91	3.34	30.57	14.08
4095	58	99.02	117.63	6.89	44.93	24.96
3786	20708	98.99	108.56	9.8	33.87	18.04
498	9905	98.99	317.1	12.02	647.98	150.8
2962	25052	98.97	411.49	86.56	32.96	139.06
3089	21162	98.97	208.3	59.06	30.37	22.58
56	8768	98.97	78	12.14	21.69	12.16
470	21917	98.97	513.66	89.35	74.06	61.9
3863	15642	98.97	1143.9	93.3	374.52	155.76
600	17589	98.94	203.91	21.27	33.15	33.11
3811	3454	98.91	256.27	26.68	70.97	45.46
3229	3430	98.91	1494.68	287.51	233.14	121.02
3395	16331	98.91	319.4	20.94	624.25	138.63
3393	1099	98.89	80.2	5.85	225.03	72.58
1229	7005	98.89	182.3	23.87	64.73	23.48
2967	13499	98.89	287.16	52.55	50.33	35.38
3840	16362	98.89	25.51	3.89	68.15	21.63
464	5384	98.86	329.01	44.21	26.71	59.69
3229	25567	98.86	1514.83	279.7	141.55	122.27
4260	1877	98.86	241.63	34.43	697.36	185.11
3415	20493	98.83	120.96	16.18	323.46	78.58
4000	809	98.83	409.01	177.55	23.87	51.49
4166	2153	98.81	103.01	41.28	27.37	15.63
3947	11483	98.78	141.21	23	34.37	84.09
456	15558	98.78	660.87	53.11	309.22	115.95
3057	22513	98.75	1504.66	453.07	34.66	789.3
341	24161	98.75	231.61	9.35	460.62	124.31
3185	2554	98.73	219.22	59.92	55.97	22.33
3309	20529	98.73	802	110.83	130.26	188.72
3982	15189	98.73	6817.09	452.23	1648.65	1644.72
494	17256	98.73	184.12	12.65	535.36	180.68
586	23783	98.73	251.28	15.09	554.83	134.13
4101	1424	98.73	135.55	22.45	45.38	19.26
3877	17709	98.73	144.56	9.33	37.82	42.25
1221	1597	98.68	999.54	209.86	115.94	117.42
3205	16684	98.68	962.36	63.36	354.04	142.89
4099	1639	98.68	79.56	12.09	197.05	45.79
4030	20698	98.68	2561.57	206.8	895.18	440.69
3863	15643	98.65	186.64	81.43	38.58	18.78
3103	9423	98.65	2779.27	549.3	810.31	281.83
3842	1571	98.65	302.77	50.54	50.75	53.2

3089	20126	98.62	675.26	176.11	106.11	70.2
427	15115	98.62	84.69	19.21	26.36	13.3
3965	23321	98.62	76.36	11.52	238.42	64.77
3319	15299	98.62	880.8	374.03	76.22	120.67
3205	16683	98.6	203.89	15.95	76	34.9
4021	11494	98.6	316.19	54.18	25.73	80.98
3497	20944	98.6	1105.95	88.71	620.39	162.92
1942	13091	98.57	29.75	9.85	158.67	81.48
3208	14997	98.54	1138.5	138.03	286.84	274.16
3636	24710	98.49	78.82	13.39	20.56	23.87
60	18349	98.49	244.99	48.43	65.21	37.96
61	17494	98.49	21.86	2.23	50.18	38.03
435	20701	98.49	2378.94	191.39	879.22	387.02
1212	22567	98.46	93.05	4.91	178.23	48.36
2539	13092	98.46	34.22	12.21	220.74	123.58
3653	5496	98.44	183.83	20.42	493.52	155.09
3103	9424	98.44	3539.42	970.19	1007.36	358.45
3157	20819	98.41	166.5	12.73	74.41	23.42
2206	15191	98.41	5712.2	553.35	1209.98	1314.12
3583	16564	98.41	530.29	61.97	214.96	83.52
3469	23300	98.41	90.83	11.7	254.51	97.78
3097	20589	98.41	55.68	6.96	25.28	27.34
104	13930	98.38	507.15	82.87	146.72	104.3
3310	6071	98.38	48.48	15.1	252.45	84.87
3075	23871	98.38	129.96	26.44	34.63	68.3

TABLE 5X: CPA							Attorney Docket 44921-5038-01-WO						
Timepoint(s): 24, 120 hrs							Document No. 1935828.1						
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD							
420	15987	99.84	515.74	75.37	23.28	29.89							
3494	20803	99.55	789.49	72.91	284.3	110.59							
300	8872	99.23	2165.94	258.75	487.96	217.92							
3879	15127	98.81	1907.99	118	688.91	319.14							
678	17788	98.67	2456.63	377	1067.19	290.22							
2919	12155	98.62	1713.86	190.39	627.38	664.86							
612	3381	98.57	244.53	24.9	113.09	33.54							
2935	12156	98.54	1995.76	290.54	496.09	855.32							
4028	16278	98.54	1784.96	202.31	647.15	324.29							
2981	25055	98.46	921.01	195.58	239.78	543.35							
2942	12158	98.44	912.04	196.88	230.34	543.19							
3849	17092	98.44	363.27	103.63	79.75	42.93							
3954	4312	98.44	731.8	248.9	61.26	144.67							
3849	17091	98.44	267.29	74.19	44.1	40.04							
2964	1796	98.44	1349.34	299.43	234.4	166.74							
3528	15755	98.41	245	56.74	742.24	178.9							
3494	20804	98.25	2575.88	572.75	888.23	388.15							
2988	25056	98.22	2327.46	332.28	929.48	711.47							
3849	17090	98.2	180.69	44.89	58.52	26.59							
2989	24860	98.12	1467.53	237.6	386.54	264.88							
168	12160	98.06	2523.88	553.06	1115.37	1301.18							

1590	5824	97.98	298.43	72.1	87.77	56.08
1165	2084	97.88	1046.26	104.59	534.91	150.72
3931	20707	97.75	1684.19	229.15	602.2	292.56
2964	1795	97.72	1816.6	318.44	528.46	366.46
3781	18401	97.67	1407.45	183.53	788.7	163.35
3273	1551	97.64	393.37	58.95	1028.38	368.77
3920	21391	97.45	366.81	90.21	110.09	113.61
4174	906	97.29	66.24	15.74	32.06	15.58
4033	6824	97.27	1094.63	340.68	413.45	212.15
3236	20864	97.19	1676.23	383.3	466.8	373.76
1572	9940	97.14	536.15	109.9	204.59	89.6
1992	18473	97.03	890.69	109.82	434.29	210.01
3273	1550	97	99.1	32.68	432.3	211.25
1655	10315	97	70.49	7.36	183.61	88.52
2863	25287	96.95	237.77	60.49	82.59	44.56
3119	18718	96.84	1880.88	305.12	827.92	345.65
2895	12613	96.76	181.42	17.69	96.77	46.74
1675	10396	96.76	317.82	74.55	148.54	56.57
918	22266	96.71	2589.47	230.63	1701.8	352.62
472	9136	96.66	591.31	72.52	337.48	88.39
1849	17553	96.63	112.16	3.6	63.86	43.92
2936	12157	96.6	1823.08	515.18	570.97	981.37
2860	25281	96.53	298.97	51.27	153.82	48.28
2869	1884	96.47	307.9	56.62	163.47	52.34
995	23272	96.42	190.64	22.58	357.83	89.87
3475	2384	96.26	1488.62	304.6	734.58	233.33
2862	1354	96.26	1058.43	260.49	259.25	216.17
2994	19256	96.13	172.27	21.81	366.53	141.46
838	24262	96.07	579.48	43.59	377.21	122.5
3797	20842	96.07	529.22	43.55	355.58	71.07
1171	17470	96.05	390.89	112.36	153.72	80.77
1542	7926	95.97	228.53	81.74	95.01	51.92
2520	20845	95.97	521.85	90.2	243.04	112.33
3743	25499	95.97	991.03	111.38	660.7	139.25
821	21798	95.94	2826.86	421.67	1775.23	356.4
2627	18900	95.94	1290.75	174.84	804.23	177.5
2283	3834	95.89	533.71	87.28	331.46	70.64
2741	17248	95.81	2675.17	344.77	1658.57	358.75
578	18906	95.68	166.35	35.72	81.19	36.03
2074	3803	95.57	1342.6	269.4	849.93	204.53
1991	11693	95.52	53.57	53.17	408.94	242.44
2101	24073	95.49	111.04	21.41	23.85	37.24
3784	8358	95.46	865.05	52.35	610.18	141.68
2534	22379	95.38	883.34	195.79	470.63	215.34
1145	13330	95.36	176.96	43.63	57.71	65.08
2708	7307	95.36	67.95	15.53	24.28	17.88
3330	12524	95.17	640.26	71.88	391.94	111.56
364	6431	95.15	61.93	9.63	187.42	238.11
2994	19255	95.12	77.77	14.22	204.54	101.59
3660	20940	95.09	936.93	84.19	545.77	214.58
3119	18860	95.07	1211.23	244.06	565.7	248.34
2620	23296	95.07	597.01	96.51	334.68	100.56
1701	11019	95.07	134.09	18.76	45.83	39.52

3202	17401	94.99	95.09	36.73	434.37	217.21
4258	16725	94.96	108.27	4.11	162.17	46.24
918	22267	94.93	1400.08	100.63	925.43	294.61
3324	5748	94.93	591.93	86.36	374.89	91.33
3305	16269	94.91	22.62	6.39	58.34	22
3612	23569	94.72	382.47	40.41	260.34	59.51
1350	6801	94.62	244.51	27.71	440.66	120.37
2888	1888	94.59	92.65	22.09	32.17	34.92
3808	9055	94.59	625.43	68.69	387.72	113.8
802	12196	94.51	1056.53	34.69	841.23	148.51
3716	17601	94.43	46.78	7.05	102.56	39.89
2882	24799	94.38	153.99	26.78	307.11	126.54
541	8317	94.32	270.67	61.07	636.73	221.9
2126	19012	94.3	263.26	14.51	441.56	165.9
2527	24326	94.27	162.65	34.16	296.37	76.59
742	17116	94.27	1960.59	322.97	1389.17	259.59
3149	15032	94.24	177.39	41.97	493.86	190.85
1314	12071	94.19	281.58	88.46	636.83	182.94
2660	1654	94.14	101.65	15.48	204.94	61.98
3083	20744	94.14	120.51	13.37	349.43	304.29
624	1552	94.01	235.75	79.97	586.21	213.54
732	22578	93.98	695.18	147.03	1319.3	386.43
3100	20798	93.98	236.82	51.01	144.4	40.79
1103	2584	93.95	186.37	32.97	104.84	38.5
2268	1903	93.95	266	39	147.01	55.87
3093	18749	93.93	139.22	54.06	62.53	57.28
3820	24728	93.82	126.08	25.42	261.6	84.41
4118	1479	93.79	137.29	22.87	296.85	95.05
400	22773	93.63	33.24	5.81	63.76	22.05
4189	25663	93.61	84.33	9.89	322.15	597.96
3021	9223	93.45	37.62	9.14	89.72	43.26
3139	11938	93.37	1154.46	400.62	1106.74	200.56
3374	15348	93.34	126.58	16.66	199.07	43.15
629	17752	93.32	255.46	36.73	472.35	141.96
3530	17487	93.16	68.44	12.61	34.77	20.09
432	16242	93.13	26.46	4.4	47.12	13.08
3584	6912	93.1	93.86	18.89	193.66	64.6
2975	1427	93.1	57.63	16.63	28.11	18.7
3823	7927	93.08	111.83	31.92	286.66	116.4
3334	14003	92.97	271.38	75.37	156.13	102.31
3436	17885	92.89	298.72	21.55	204.09	60.76
2018	4091	92.84	514.17	66.67	343.52	96.66
2675	22609	92.79	61.47	8.31	25.91	36.63
17	18160	92.76	31.96	7.31	73.97	32.84
3879	15126	92.68	2274.28	457.02	1272.11	536.45
3993	18867	92.57	425.86	144.38	827.37	222.17
499	17289	92.47	217.51	28.3	124.19	77.28
1360	163	92.47	716.55	37.32	525.76	110.33
4199	644	92.23	44.72	8.83	29.55	10.34
3240	21078	91.96	434.32	51.66	739.37	214.89
3357	5622	91.96	1021.17	154.32	1597.58	376.2
2813	19962	91.83	213.02	13.52	157.08	58.5
447	15888	91.75	85.97	11.5	167.19	141.04

3212	25676	91.67	45.53	10.5	97.17	43.4
3093	18747	91.51	288.85	111.02	155.3	123.95
3080	6478	91.46	2101.18	222.83	3240.11	1804.78
3389	6017	91.41	122.91	67.38	783.92	505.65
633	4242	91.41	183.7	77.57	519.45	211.24
2875	19420	91.38	23.41	10.84	57.83	20.54
4240	25723	91.38	38.38	7.81	21.06	18.21
4228	25702	91.33	638.9	58.32	494.86	177.41
4242	16780	91.29	804.3	304.89	308.07	106.94
4242	25725	91.24	417.02	194.59	141.74	60.54
3538	15367	91.17	167.27	10.16	242.25	93.58
2997	25413	91.06	20.18	5.06	44.26	20.59
3859	15136	91.03	784.13	62.97	587.57	293.75
2455	5107	91.03	52.41	6.36	97.77	49.75
2833	23220	91.01	110.89	7.04	84.71	30.28
122	21416	91.01	29.17	4.06	52.59	30.22
3019	20700	90.9	1938.34	191.11	2947.88	1599.77
486	17052	90.9	61.07	8.19	39.25	17.72
815	11691	90.9	23.9	16.2	109.55	93.58

TABLE 5Y: CPA						
Timepoint(s): 24, 120 hrs						
Attorney Docket 44921-5038-01-WO						
Document No. 1935828.1						
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
1165	2084	97.88	1046.26	104.59	534.91	150.72
3781	18401	97.67	1407.45	183.53	788.7	163.35
3920	21391	97.45	366.81	90.21	110.09	113.61
4033	6824	97.27	1094.63	340.68	413.45	212.15
1572	9940	97.14	536.15	109.9	204.59	89.6
1655	10315	97	70.49	7.36	183.61	88.52
3273	1550	97	99.1	32.68	432.3	211.25
2863	25287	96.95	237.77	60.49	82.59	44.56
3119	18718	96.84	1880.88	305.12	827.92	345.65
1675	10396	96.76	317.82	74.55	148.54	56.57
2895	12613	96.76	181.42	17.69	96.77	46.74
472	9136	96.66	591.31	72.52	337.48	88.39
1849	17553	96.63	112.16	3.6	63.86	43.92
2860	25281	96.53	298.97	51.27	153.82	48.28
2869	1884	96.47	307.9	56.62	163.47	52.34
995	23272	96.42	190.64	22.58	357.83	89.87
2862	1354	96.26	1058.43	260.49	259.25	216.17
3475	2384	96.26	1488.62	304.6	734.58	233.33
3797	20842	96.07	529.22	43.55	355.58	71.07
838	24262	96.07	579.48	43.59	377.21	122.5
1171	17470	96.05	390.89	112.36	153.72	80.77
3743	25499	95.97	991.03	111.38	660.7	139.25
2520	20845	95.97	521.85	90.2	243.04	112.33
1542	7926	95.97	228.53	81.74	95.01	51.92
2627	18900	95.94	1290.75	174.84	804.23	177.5
2283	3834	95.89	533.71	87.28	331.46	70.64
2741	17248	95.81	2675.17	344.77	1658.57	358.75



2074	3803	95.57	1342.6	269.4	849.93	204.53
2101	24073	95.49	111.04	21.41	23.85	37.24
3784	8358	95.46	865.05	52.35	610.18	141.68
2534	22379	95.38	883.34	195.79	470.63	215.34
2708	7307	95.36	67.95	15.53	24.28	17.88
1145	13330	95.36	176.96	43.63	57.71	65.08
3330	12524	95.17	640.26	71.88	391.94	111.56
3660	20940	95.09	936.93	84.19	545.77	214.58
1701	11019	95.07	134.09	18.76	45.83	39.52
2620	23296	95.07	597.01	96.51	334.68	100.56
3202	17401	94.99	95.09	36.73	434.37	217.21
4258	16725	94.96	108.27	4.11	162.17	46.24
3324	5748	94.93	591.93	86.36	374.89	91.33
918	22267	94.93	1400.08	100.63	925.43	294.61
3305	16269	94.91	22.62	6.39	58.34	22
3612	23569	94.72	382.47	40.41	260.34	59.51
3808	9055	94.59	625.43	68.69	387.72	113.8
2888	1888	94.59	92.65	22.09	32.17	34.92
802	12196	94.51	1056.53	34.69	841.23	148.51
3716	17601	94.43	46.78	7.05	102.56	39.89
2882	24799	94.38	153.99	26.78	307.11	126.54
541	8317	94.32	270.67	61.07	636.73	221.9
742	17116	94.27	1960.59	322.97	1389.17	259.59
2527	24326	94.27	162.65	34.16	296.37	76.59
3149	15032	94.24	177.39	41.97	493.86	190.85
1314	12071	94.19	281.58	88.46	636.83	182.94
2660	1654	94.14	101.65	15.48	204.94	61.98
624	1552	94.01	235.75	79.97	586.21	213.54
3100	20798	93.98	236.82	51.01	144.4	40.79
732	22578	93.98	695.18	147.03	1319.3	386.43
2268	1903	93.95	266	39	147.01	55.87
1103	2584	93.95	186.37	32.97	104.84	38.5
3093	18749	93.93	139.22	54.06	62.53	57.28
926	21382	93.9	97.87	11.74	181.33	63.63
3409	18141	93.85	519.6	86.6	329.77	177.47
3820	24728	93.82	126.08	25.42	261.6	84.41
2740	7691	93.79	136.99	10.3	92.88	79.96
1299	22151	93.63	318.16	38.95	167.57	107.58
400	22773	93.63	33.24	5.81	63.76	22.05
4189	25663	93.61	84.33	9.89	322.15	597.96
1076	19452	93.5	233.52	29.35	136.21	119.58
3021	9223	93.45	37.62	9.14	89.72	43.26
1092	11324	93.4	186.39	23.41	320.54	96.1
3139	11938	93.37	1154.46	400.62	1106.74	200.56
2117	18325	93.37	479.38	32.88	349.34	84.22
3374	15348	93.34	126.58	16.66	199.07	43.15
629	17752	93.32	255.46	36.73	472.35	141.96
2298	4073	93.24	479.14	69.74	249.74	143.79
3530	17487	93.16	68.44	12.61	34.77	20.09
2774	22477	93.16	163.46	16.79	90.74	43.66
432	16242	93.13	26.46	4.4	47.12	13.08
2975	1427	93.1	57.63	16.63	28.11	18.7
2264	24049	93.1	2308.97	299.37	1515.64	458.38

3584	6912	93.1	93.86	18.89	193.66	64.6
788	3993	93.1	141.68	12.68	217.35	57.14
3823	7927	93.08	111.83	31.92	286.66	116.4
1444	26147	93.05	2363.23	231.98	1652.18	369.56
2195	19363	93	377.23	202.42	1901.96	903.09
3334	14003	92.97	271.38	75.37	156.13	102.31
803	5241	92.97	227.52	24.55	347.52	86.28
3436	17885	92.89	298.72	21.55	204.09	60.76
1777	7870	92.86	60.29	9.12	117.22	46.33
2018	4091	92.84	514.17	66.67	343.52	96.66
1462	7316	92.81	43.05	8.75	85.7	38.62
2675	22609	92.79	61.47	8.31	25.91	36.63
308	21694	92.76	347.26	62.65	196.44	83.9
17	18160	92.76	31.96	7.31	73.97	32.84
3879	15126	92.68	2274.28	457.02	1272.11	536.45
2356	17865	92.65	289.95	12.58	375.54	68.28
3993	18867	92.57	425.86	144.38	827.37	222.17
3748	23597	92.52	1130.39	155.89	779.7	193.25
1383	23768	92.49	305.94	59.08	194.01	80.27
499	17289	92.47	217.51	28.3	124.19	77.28
1360	163	92.47	716.55	37.32	525.76	110.33
4199	644	92.23	44.72	8.83	29.55	10.34
3357	5622	91.96	1021.17	154.32	1597.58	376.2
2813	19962	91.83	213.02	13.52	157.08	58.5
3212	25676	91.67	45.53	10.5	97.17	43.4
3093	18747	91.51	288.85	111.02	155.3	123.95
3080	6478	91.46	2101.18	222.83	3240.11	1804.78
3389	6017	91.41	122.91	67.38	783.92	505.65
633	4242	91.41	183.7	77.57	519.45	211.24
2875	19420	91.38	23.41	10.84	57.83	20.54
4240	25723	91.38	38.38	7.81	21.06	18.21
4228	25702	91.33	638.9	58.32	494.86	177.41
3538	15367	91.17	167.27	10.16	242.25	93.58
2997	25413	91.06	20.18	5.06	44.26	20.59
3859	15136	91.03	784.13	62.97	587.57	293.75
2455	5107	91.03	52.41	6.36	97.77	49.75
2833	23220	91.01	110.89	7.04	84.71	30.28
122	21416	91.01	29.17	4.06	52.59	30.22
3019	20700	90.9	1938.34	191.11	2947.88	1599.77
486	17052	90.9	61.07	8.19	39.25	17.72
815	11691	90.9	23.9	16.2	109.55	93.58
3074	20703	90.85	127.49	46.01	451.17	483.02
1248	20511	90.82	36.97	4.35	67.72	28.83
3552	15623	90.8	42.73	7.25	71.36	24.25
3562	348	90.8	118.07	13.49	76.64	27.12
3536	17226	90.77	1383.07	60.33	1105.17	236.84
3626	4234	90.74	289.19	42.96	617.48	298.74
2209	24763	90.69	59.82	6.57	94.14	40.29
3450	20299	90.53	349.05	95.57	726.79	249.41
3937	656	90.42	80.81	4.24	102.91	33.62
2870	727	90.4	279.18	41.4	203.61	51.79
3243	17972	90.34	37.81	3.51	24.09	15.8
397	22396	90.24	59.2	12	99.3	28.76

2803	5545	90.08	1203.76	78.41	1490.87	574.88
522	1159	90.05	119.01	58.08	275.36	107.3
3029	1973	90.03	306.32	17.08	391.67	107.24
3365	23481	90	36.24	11.6	69.21	23.13
3634	25069	89.97	1231.6	563.43	201.55	239.64
3494	20802	89.91	329.77	64.64	130.33	59.89
2819	25964	89.89	57.21	7.22	92.15	30.97
2262	7163	89.87	41.35	7.14	84.31	36.76
59	8977	89.81	43.82	4.74	30.37	10.16
546	11981	89.81	57.97	4.93	83.71	22.13
2940	20865	89.79	38.26	8.04	89.98	95.27
3177	6108	89.76	143.11	13.88	110.78	45.26
3014	15579	89.73	1458.15	137.46	1679.56	675.17
3437	17936	89.73	1113.54	83.94	832.34	227.17
2817	3788	89.71	26.18	1.98	35.84	12.76
3702	4749	89.68	1019.89	203.98	1655.2	434.34
3738	24419	89.66	160.97	22.33	99.16	63.61
912	1798	89.58	2071.22	211.5	2799.36	1337.75
4182	819	89.55	2302.42	356.69	2548.98	1185.9
3878	9527	89.5	89.49	25.07	236.44	129.28
3590	15138	89.41	197.53	42.61	83.99	43.8

**TABLE 5Z: CPA**  
**Timepoint(s): 6 hrs**

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
954	21968	99.66	336.13	5.88	154.33	63.23
138	1900	99.58	919	67.9	332.92	144.12
2529	3050	99.42	100.04	5.64	28.38	21.7
2100	9128	99.39	482.11	106.87	109.27	74.26
1894	13231	99.21	382.85	49.17	122.87	53.82
1665	17506	99.1	212.71	17.76	31.5	71.88
3911	13799	98.97	375.73	72.34	137.29	52.07
290	5754	98.89	387.64	90.19	88.96	55.53
3911	19605	98.89	318.04	35.9	130.26	41.67
1856	7434	98.86	815.52	40.4	394.11	132.33
1446	19467	98.83	963.65	78.28	439.31	162.93
2220	15847	98.73	117.99	17.88	22.43	32.95
945	18337	98.6	315.9	43.13	156.61	101.32
2061	6272	98.41	397.42	83.96	149.81	45.88
684	12203	98.36	306.83	80.61	45.36	78.73
770	20063	98.36	648.97	93.85	267.86	98.57
2428	16053	98.33	292.73	14.22	176.18	220.38
1874	18235	98.3	267.49	51.1	140.41	28.19
298	9514	98.25	1625.14	124.57	935.34	219.48
2690	18484	98.25	127.21	44.53	44.76	16.71
850	19069	98.25	180.08	21.52	739.35	315.83
1480	2866	98.17	783.55	140.13	118.19	180.78
2426	13746	98.09	58.47	5.72	162.03	69.53
2771	4937	98.01	631.7	70.25	361.28	90.51
4015	9775	97.96	517.09	98.93	129.4	107.22

2099	15345	97.93	1898.16	268.14	832.68	256.03
2697	14740	97.91	251.1	42.02	92.06	56.78
3876	16043	97.85	65.23	5.34	131.11	45.88
1506	7618	97.75	366.94	73	146.38	58.39
1259	4032	97.72	225.35	46.24	93.86	33.44
1487	7639	97.69	482.34	97.28	276.54	68.37
1902	8305	97.64	281.02	23.78	132.68	83.1
1796	11463	97.59	61.05	6.38	130.46	52.77
2234	6821	97.54	661.11	100.08	231.1	132.5
2505	15551	97.51	212.76	8.45	327.45	67.4
3350	26379	97.48	32.66	3.64	79.32	39.73
2265	15251	97.4	100.59	11.43	43.06	22.57
4241	15387	97.38	330.99	11.81	521.41	121.08
2213	15959	97.35	372.85	69.25	170.23	55.63
4007	14463	97.35	128.68	14.4	57.53	30.83
2516	16087	97.27	62.42	7.34	125.37	37.49
849	22092	97.24	195.7	21.08	103.42	33.5
3557	19993	97.24	834.02	110.46	397.43	186.02
2105	6582	97.22	281.74	34.36	125.15	84.24
2120	22239	97.19	89.8	6.76	40.58	25.26
2534	22379	97.16	1007.83	135.25	470.74	215.11
2175	22906	97.14	1219.93	141.04	560.56	425.46
974	16509	97.11	195.88	40.57	70.08	47.32
896	22548	97.09	1288.15	215.83	530.38	220.05
2776	12956	97.06	510.86	87.31	247.82	74.29
377	6342	97.03	100.36	12.46	234.31	80.47
736	22235	97.01	564.74	28.69	377.08	92.2
2114	11514	96.98	356.8	31.13	220.75	53.99
2678	7282	96.95	85.49	23.62	28.9	16.14
2095	11813	96.95	65.04	8.21	23.62	16.34
2491	2372	96.93	210.37	37.9	108.38	36.17
2359	6647	96.87	952.01	106.22	524.25	162.71
933	14419	96.77	29.11	3.32	62.1	23.9
3458	10369	96.74	302.69	27.14	175.06	59.32
2785	14844	96.69	105.77	26.25	273.9	87.14
3557	19992	96.66	1058.37	103.5	621.86	218.14
2988	25056	96.58	1547.41	149.55	933.02	715.67
2161	10637	96.56	100.18	9.48	198.87	66.32
2492	14662	96.53	95.36	9.99	176.13	49.95
423	9391	96.42	423.3	9.9	601.29	149.1
1539	10805	96.34	69.88	8.09	28.65	19.93
1713	11125	96.32	83.46	9.27	31.51	22.46
1638	10200	96.29	71.26	11.83	24.75	24.84
1721	3912	96.29	141.4	10.43	66.67	42.65
1032	24051	96.29	162.12	31.26	79	28.17
686	22981	96.29	370.75	48.03	195.08	67.46
3108	16199	96.24	212.48	55.64	74.57	47.43
1148	2354	96.24	1418.52	135.45	817.4	289.52
440	15713	96.21	27.93	0.74	42.68	23.4
706	4725	96.18	95.25	13.13	24.59	118.53
3090	4449	96.18	503.31	122.16	238.04	92.28
2745	16609	96.18	182.57	7.24	307.66	102.75
2681	22380	96.18	527.26	117	267.03	108.03

1464	21454	96.13	590.95	73.32	347.49	100.8
1435	10641	96.1	116.46	23.06	26.8	44.19
1113	2860	96.08	309.46	45.16	95.94	83.94
2329	22436	96.05	279.76	35.52	164.4	44.88
873	16910	96.05	1149.91	100.8	714.57	206.69
1709	22929	96.03	609.02	48.31	1241.57	788.34
2676	2594	96.03	103.92	25.99	40.82	25.78
2006	5038	96.03	868.99	125.61	408.26	165.84
3289	18925	96	20.76	10.18	111.16	53.99
4056	5624	95.97	144.44	43.05	461.94	196.46
1888	5246	95.97	259.18	20.49	174	37.86
2409	11782	95.92	38.48	8.47	89.15	31.4
252	21150	95.89	199.42	28.46	43.82	130.34
2074	3803	95.87	1292.62	108.08	850.59	205.85
2076	1902	95.87	549.84	126.13	225.1	106.21
1760	5340	95.84	63.81	20.12	345.77	185.52
2761	11404	95.84	474.84	63.39	220.32	127.88
2381	5481	95.79	418.88	70.91	173.42	97.17
1249	4014	95.76	127.56	9.08	76.26	27.33
2767	13336	95.73	113.7	13.56	235.54	98.27
2181	23311	95.73	279.83	32.19	161.14	47.69
2047	2729	95.73	1105.87	94.65	582.94	225.95
3521	16184	95.6	77.92	12.56	174.14	62.83
4204	173	95.55	321.68	77.18	111.75	80.53
1231	20188	95.52	90.59	11.88	197.76	86.75
3201	730	95.5	22.32	1.87	46.5	36.75
453	7936	95.26	30.51	2.08	53.18	17.85
3556	22282	94.91	53.07	5.52	94.39	29.7
4281	1620	94.91	76.11	5.81	128.03	54.9
530	23047	94.78	20.65	1.74	37.72	15.03
4067	25507	94.7	35.38	7.64	80.16	43.95
3996	11840	94.49	105.07	9.11	69.26	36.62
4151	1283	94.46	37.16	4.76	102.56	52.44
3452	20450	94.28	30.71	6.02	72.59	29.14
2688	2746	94.28	24.65	3.63	23.96	19.34
26	18981	94.12	89.2	6.31	166.54	132.76
4229	1719	94.12	43.35	10.72	102.24	50.73
47	18227	94.09	25.11	2.35	41.74	13.07
3732	21104	94.04	106.12	6	68.88	31.42
471	209	94.04	22.96	0.93	25.22	15.43
117	9092	93.91	38.28	12.47	93.58	34.44
3993	18867	93.64	641.41	32.27	826.38	223.34
3018	1241	93.51	22.92	3.87	46.92	21.81
412	17110	93.43	37.14	11.24	76.55	22.5
3597	4683	93.43	101.33	9.45	168.13	88.83
2837	6601	93.4	25.25	2.88	48.15	27.27
2882	25805	93.3	23.16	5.04	51.26	19.17
80	16653	93.24	101.11	12.46	158.16	36
565	17439	93.22	57.45	13.99	114.85	48.83
18	23293	93.19	26.58	3.94	47.7	13.41
119	8207	93.14	34.49	5.31	64.35	20.12
3462	1914	93.14	52.99	3.62	85.25	36.56
4232	25707	93.11	44.37	3.98	88.57	53.72

433	15573	93.06	36.21	4.13	55.86	16.25
2873	826	93.03	152.42	12.77	96.77	37.55
1230	4292	93	34.66	5	64.12	24.26
3312	16263	92.98	84.73	2.55	95.36	29.63
3359	20373	92.98	53.95	6.96	88.33	32.6
3333	23826	92.93	94.27	7.56	145.43	57.8
4265	23302	92.87	43.51	1.71	36.69	21.31
78	18883	92.74	24.09	3.93	40.68	13.3
3548	17764	92.69	1657.6	115	1186.76	461.24
435	20701	92.58	603.05	28.74	883.92	394.46
3980	25479	92.55	1592.53	85.74	1189.03	285.05
478	19238	92.45	50.15	6.3	84.92	30.78
3306	9126	92.42	46.46	6.75	93.88	45.91
3430	17976	92.34	40.43	12.4	78.1	26.9
2845	1375	92.32	53.48	5.77	85.73	29.06
4044	20784	92.24	589.17	42.47	390.96	143.52
1226	20283	92.16	50.37	12.41	114.02	53.58
3385	1143	92.1	49.08	11.87	96.96	56.62
3350	24392	91.81	52.5	11	101.15	41.81
3241	15610	91.76	23.38	7.97	53.7	22.79
3750	14926	91.73	40.32	9.96	86.49	31.25
4274	25754	91.6	21.19	2.5	39.72	17.67
3980	16922	91.55	1104.21	54.05	833.35	196.16
1246	20236	91.36	68.89	16.41	149.2	74.94
3397	889	91.31	28.61	5.71	57.55	25.48
4107	229	91.2	931.81	106.68	679.77	159.28
3053	1624	91.07	203.55	11.31	262.08	53.25
3104	16332	91.04	39.42	9.94	79.21	37.41
582	16825	91.04	35.83	8.73	21.62	11.53
669	24473	91.04	92.38	8.24	139.15	43.01
3902	16108	91.04	173.14	7.06	140.36	27.59
3673	16205	91.02	725.37	118.18	1099.72	262.69
3995	21915	90.99	759.26	80.93	564.61	133.43
34	17577	90.96	31.71	9.67	72.29	28.89
2947	25343	90.94	35.44	8.05	70.71	30.5
3822	24621	90.94	41	7.36	73.88	28.41
3966	2643	90.89	26.15	5.54	51.02	20.81
1245	25216	90.89	25.75	4.45	52.69	36.06
3547	10980	90.83	20.78	7.05	47.51	19.94
3750	14925	90.83	193.95	25.99	323.81	105
95	17206	90.78	42.9	9.6	79.16	26.01
3394	24757	90.75	46.07	10.04	77.86	31.85
3212	16924	90.7	330.54	72.13	188.19	110.76
3219	24	90.62	23.27	7.38	52.69	25.07
3088	15097	90.59	64.83	10.37	30.22	58.33
1550	976	90.57	21.19	4.73	38.49	15.85
3868	24430	90.54	22.06	2.05	30.92	19.92
50	16383	90.54	28.2	7.68	55.87	39.49
3244	24869	90.51	35.21	13.55	83.74	39.46
3131	11839	90.51	24.75	10.1	72.07	43.23
566	9074	90.51	76.08	9.9	119.79	44.6
3618	15185	90.38	66.86	4.27	61.06	101.26
445	18897	90.28	66.18	13.15	122.46	46.55

622	2356	90.28	70.82	8.07	106.24	29.47
671	3928	90.28	28.23	5.06	54.93	22.13
3004	18618	90.14	1292.25	36.59	1150.73	216.85
111	17649	90.04	21.9	3.61	50.27	28.14
3234	20854	90.01	31.79	4.85	67.6	50.26
103	2070	90.01	45.04	8.46	81.28	27.05
650	16912	90.01	221.66	21.16	303.16	79.12
632	3783	89.98	20.05	5.91	40.16	15.06
3929	16768	89.96	544.26	29.95	494.82	162.98
4288	442	89.9	20.59	3.46	37.22	16.12

TABLE 5AA: CPA				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
954	21968	99.66	336.13	5.88	154.33	63.23
2529	3050	99.42	100.04	5.64	28.38	21.7
1894	13231	99.21	382.85	49.17	122.87	53.82
1856	7434	98.86	815.52	40.4	394.11	132.33
1446	19467	98.83	963.65	78.28	439.31	162.93
2220	15847	98.73	117.99	17.88	22.43	32.95
945	18337	98.6	315.9	43.13	156.61	101.32
298	9514	98.25	1625.14	124.57	935.34	219.48
1480	2866	98.17	783.55	140.13	118.19	180.78
2426	13746	98.09	58.47	5.72	162.03	69.53
2697	14740	97.91	251.1	42.02	92.06	56.78
3876	16043	97.85	65.23	5.34	131.11	45.88
1506	7618	97.75	366.94	73	146.38	58.39
1259	4032	97.72	225.35	46.24	93.86	33.44
1487	7639	97.69	482.34	97.28	276.54	68.37
1902	8305	97.64	281.02	23.78	132.68	83.1
1796	11463	97.59	61.05	6.38	130.46	52.77
2505	15551	97.51	212.76	8.45	327.45	67.4
3350	26379	97.48	32.66	3.64	79.32	39.73
4241	15387	97.38	330.99	11.81	521.41	121.08
4007	14463	97.35	128.68	14.4	57.53	30.83
3557	19993	97.24	834.02	110.46	397.43	186.02
849	22092	97.24	195.7	21.08	103.42	33.5
2120	22239	97.19	89.8	6.76	40.58	25.26
974	16509	97.11	195.88	40.57	70.08	47.32
377	6342	97.03	100.36	12.46	234.31	80.47
2114	11514	96.98	356.8	31.13	220.75	53.99
2095	11813	96.95	65.04	8.21	23.62	16.34
2678	7282	96.95	85.49	23.62	28.9	16.14
2359	6647	96.87	952.01	106.22	524.25	162.71
933	14419	96.77	29.11	3.32	62.1	23.9
3458	10369	96.74	302.69	27.14	175.06	59.32
2785	14844	96.69	105.77	26.25	273.9	87.14
3557	19992	96.66	1058.37	103.5	621.86	218.14
2161	10637	96.56	100.18	9.48	198.87	66.32
2492	14662	96.53	95.36	9.99	176.13	49.95

423	9391	96.42	423.3	9.9	601.29	149.1
1539	10805	96.34	69.88	8.09	28.65	19.93
686	22981	96.29	370.75	48.03	195.08	67.46
1721	3912	96.29	141.4	10.43	66.67	42.65
3108	16199	96.24	212.48	55.64	74.57	47.43
440	15713	96.21	27.93	0.74	42.68	23.4
2681	22380	96.18	527.26	117	267.03	108.03
2745	16609	96.18	182.57	7.24	307.66	102.75
3090	4449	96.18	503.31	122.16	238.04	92.28
1464	21454	96.13	590.95	73.32	347.49	100.8
1435	10641	96.1	116.46	23.06	26.8	44.19
1113	2860	96.08	309.46	45.16	95.94	83.94
873	16910	96.05	1149.91	100.8	714.57	206.69
2329	22436	96.05	279.76	35.52	164.4	44.88
2006	5038	96.03	868.99	125.61	408.26	165.84
3289	18925	96	20.76	10.18	111.16	53.99
1888	5246	95.97	259.18	20.49	174	37.86
4056	5624	95.97	144.44	43.05	461.94	196.46
2409	11782	95.92	38.48	8.47	89.15	31.4
252	21150	95.89	199.42	28.46	43.82	130.34
2076	1902	95.87	549.84	126.13	225.1	106.21
1760	5340	95.84	63.81	20.12	345.77	185.52
2381	5481	95.79	418.88	70.91	173.42	97.17
1249	4014	95.76	127.56	9.08	76.26	27.33
2047	2729	95.73	1105.87	94.65	582.94	225.95
2181	23311	95.73	279.83	32.19	161.14	47.69
2767	13336	95.73	113.7	13.56	235.54	98.27
1616	8143	95.71	170.23	41.48	36.73	104.73
2520	20845	95.71	101.81	19.04	244.45	113.42
2754	17455	95.71	58.94	16.19	167.12	68.1
3126	22294	95.71	59.53	6.3	118.67	45.83
3511	19375	95.68	71.81	10.84	154.47	62.84
2555	24273	95.65	140.69	25.48	252.98	59.02
3521	16184	95.6	77.92	12.56	174.14	62.83
2548	14007	95.57	119.96	9.09	205.1	64.49
4204	173	95.55	321.68	77.18	111.75	80.53
714	19258	95.52	418.64	112.72	116.67	121.67
1231	20188	95.52	90.59	11.88	197.76	86.75
3201	730	95.5	22.32	1.87	46.5	36.75
2113	11708	95.5	1570.75	187.1	978.96	235.48
2217	2161	95.47	718.79	109.4	368.91	279.54
2279	22037	95.47	567.62	29.11	392.61	106.35
1589	10008	95.44	46.79	1.57	56.98	45.71
1842	18679	95.44	314.94	30.16	540.06	130.54
861	11255	95.44	43.35	6.45	91.87	36.98
1137	3172	95.42	379.58	108	137.15	89.51
3945	9571	95.36	102.94	24.96	258.74	86.25
232	11021	95.31	112.36	16.22	260.23	96.55
1570	5662	95.31	100.36	9.13	55.73	25.17
2328	17890	95.28	66.54	20.91	33.49	15.01
3729	8817	95.28	534.09	26.54	796.95	193.84
163	17771	95.26	459.5	39.93	1474.61	829.79
3765	5561	95.26	635.86	54.55	410.29	115.15



453	7936	95.26	30.51	2.08	53.18	17.85
1664	8710	95.23	99.02	32.46	24.8	34.56
798	3791	95.2	123	19.41	225.78	55.92
1034	22476	95.18	797.35	122.65	464.58	134.58
1967	11588	95.18	158.03	13.52	90.91	35.29
769	5073	95.1	219.4	24.53	96.08	77.65
1131	17343	95.07	141.9	41.79	41.44	49.31
2052	7106	95.02	162.46	51.13	40.3	44.28
978	23542	94.99	411.48	75.6	220.51	81.08
2545	15171	94.99	401.02	57.08	254.06	284.55
4281	1620	94.91	76.11	5.81	128.03	54.9
3556	22282	94.91	53.07	5.52	94.39	29.7
530	23047	94.78	20.65	1.74	37.72	15.03
4067	25507	94.7	35.38	7.64	80.16	43.95
3996	11840	94.49	105.07	9.11	69.26	36.62
4151	1283	94.46	37.16	4.76	102.56	52.44
3452	20450	94.28	30.71	6.02	72.59	29.14
2688	2746	94.28	24.65	3.63	23.96	19.34
26	18981	94.12	89.2	6.31	166.54	132.76
4229	1719	94.12	43.35	10.72	102.24	50.73
47	18227	94.09	25.11	2.35	41.74	13.07
3732	21104	94.04	106.12	6	68.88	31.42
471	209	94.04	22.96	0.93	25.22	15.43
117	9092	93.91	38.28	12.47	93.58	34.44
3993	18867	93.64	641.41	32.27	826.38	223.34
3018	1241	93.51	22.92	3.87	46.92	21.81
412	17110	93.43	37.14	11.24	76.55	22.5
3597	4683	93.43	101.33	9.45	168.13	88.83
2837	6601	93.4	25.25	2.88	48.15	27.27
2882	25805	93.3	23.16	5.04	51.26	19.17
80	16653	93.24	101.11	12.46	158.16	36
565	17439	93.22	57.45	13.99	114.85	48.83
18	23293	93.19	26.58	3.94	47.7	13.41
119	8207	93.14	34.49	5.31	64.35	20.12
3462	1914	93.14	52.99	3.62	85.25	36.56
4232	25707	93.11	44.37	3.98	88.57	53.72
433	15573	93.06	36.21	4.13	55.86	16.25
2873	826	93.03	152.42	12.77	96.77	37.55
1230	4292	93	34.66	5	64.12	24.26
3312	16263	92.98	84.73	2.55	95.36	29.63
3359	20373	92.98	53.95	6.96	88.33	32.6
3333	23826	92.93	94.27	7.56	145.43	57.8
4265	23302	92.87	43.51	1.71	36.69	21.31
78	18883	92.74	24.09	3.93	40.68	13.3
3548	17764	92.69	1657.6	115	1186.76	461.24
435	20701	92.58	603.05	28.74	883.92	394.46
3980	25479	92.55	1592.53	85.74	1189.03	285.05
478	19238	92.45	50.15	6.3	84.92	30.78
3306	9126	92.42	46.46	6.75	93.88	45.91
3430	17976	92.34	40.43	12.4	78.1	26.9
2845	1375	92.32	53.48	5.77	85.73	29.06
4044	20784	92.24	589.17	42.47	390.96	143.52
1226	20283	92.16	50.37	12.41	114.02	53.58

3385	1143	92.1	49.08	11.87	96.96	56.62
3350	24392	91.81	52.5	11	101.15	41.81
3241	15610	91.76	23.38	7.97	53.7	22.79
3750	14926	91.73	40.32	9.96	86.49	31.25
4274	25754	91.6	21.19	2.5	39.72	17.67
3980	16922	91.55	1104.21	54.05	833.35	196.16
1246	20236	91.36	68.89	16.41	149.2	74.94
3397	889	91.31	28.61	5.71	57.55	25.48
4107	229	91.2	931.81	106.68	679.77	159.28
3053	1624	91.07	203.55	11.31	262.08	53.25
3104	16332	91.04	39.42	9.94	79.21	37.41
582	16825	91.04	35.83	8.73	21.62	11.53
669	24473	91.04	92.38	8.24	139.15	43.01
3902	16108	91.04	173.14	7.06	140.36	27.59
3995	21915	90.99	759.26	80.93	564.61	133.43
34	17577	90.96	31.71	9.67	72.29	28.89
2947	25343	90.94	35.44	8.05	70.71	30.5
3822	24621	90.94	41	7.36	73.88	28.41
3966	2643	90.89	26.15	5.54	51.02	20.81
1245	25216	90.89	25.75	4.45	52.69	36.06
3547	10980	90.83	20.78	7.05	47.51	19.94
3750	14925	90.83	193.95	25.99	323.81	105
95	17206	90.78	42.9	9.6	79.16	26.01
3394	24757	90.75	46.07	10.04	77.86	31.85
3212	16924	90.7	330.54	72.13	188.19	110.76
3219	24	90.62	23.27	7.38	52.69	25.07
1550	976	90.57	21.19	4.73	38.49	15.85
3868	24430	90.54	22.06	2.05	30.92	19.92
50	16383	90.54	28.2	7.68	55.87	39.49
3244	24869	90.51	35.21	13.55	83.74	39.46
3131	11839	90.51	24.75	10.1	72.07	43.23
566	9074	90.51	76.08	9.9	119.79	44.6
3618	15185	90.38	66.86	4.27	61.06	101.26
445	18897	90.28	66.18	13.15	122.46	46.55
622	2356	90.28	70.82	8.07	106.24	29.47
671	3928	90.28	28.23	5.06	54.93	22.13
3004	18618	90.14	1292.25	36.59	1150.73	216.85
111	17649	90.04	21.9	3.61	50.27	28.14
3234	20854	90.01	31.79	4.85	67.6	50.26
103	2070	90.01	45.04	8.46	81.28	27.05
650	16912	90.01	221.66	21.16	303.16	79.12
632	3783	89.98	20.05	5.91	40.16	15.06
3929	16768	89.96	544.26	29.95	494.82	162.98
4288	442	89.9	20.59	3.46	37.22	16.12
2829	20402	89.88	26.04	5.63	44.89	14.65
3351	25322	89.85	84.09	22.98	158.7	55.28
3332	16839	89.85	29.32	9.43	59.27	28.22

TABLE 5BB: DICLOFENAC

Timepoint(s): 24, hrs

Attorney Docket 44921-5038-01-WO

Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2046	2248	99.42	123.05	20.63	276.37	64.08
3057	22512	99.18	336.76	228.52	30.43	59.64
2610	14081	99.18	750.44	470.01	42.44	119.33
3057	22514	99.02	552.77	366.47	52.29	74.71
2382	18465	99.02	696.39	23.92	275.39	190.6
364	6431	98.97	1162.87	697.58	184.89	232.1
327	18580	98.97	957.57	165.01	224.79	140.2
68	14504	98.94	1105.51	793.3	141.66	169.98
979	23555	98.89	215.07	62.04	28.99	30.81
2169	13353	98.86	99.16	10.35	285.39	60.5
1146	3452	98.86	194.02	36.2	31.77	32.37
3057	22513	98.86	6348.24	2457.86	25.17	731.18
3796	21445	98.86	146.46	45.47	20.44	49.88
2836	19703	98.83	38.21	5.5	111.44	38.67
2962	25052	98.83	1017.44	639.62	31.88	130.45
571	23889	98.81	54.47	14	181.08	60.56
1765	4444	98.81	42.8	23.25	618.7	352.58
3494	20803	98.81	70.55	7.85	286.63	114.33
130	24237	98.81	911.16	255.19	186.41	102.92
1449	7225	98.78	719.26	93.75	342.63	93.48
4098	17281	98.73	201.68	20.99	629.02	191.28
961	1809	98.7	3248.17	2400.05	128.8	721.62
3057	22515	98.65	3274.06	1504.56	123.05	365.16
2238	7697	98.62	123.53	16.25	451.92	149.95
3309	20529	98.62	1526.01	706.95	129.08	178.59
501	11966	98.57	159.04	4.79	295.17	95.77
123	14600	98.57	313.62	64.89	116.49	54.82
2644	4026	98.54	957.89	143.85	373.03	129.82
2897	17913	98.52	92.83	15.81	195.84	44.19
2652	21281	98.46	116.9	18.8	307.3	79.38
4030	20698	98.46	3100.88	519.76	894.92	436.82
1912	22522	98.44	111.57	20.12	248.85	63.35
4290	1561	98.44	2089.87	444.45	870.4	215.28
2030	21660	98.44	4788.18	968.74	1744.98	724.08
3741	12577	98.44	1074.93	280.47	156.76	140.13
3876	25290	98.38	157.38	13.62	50.51	74.77
2654	6532	98.38	260.11	19.09	140.84	43.61
1950	9166	98.33	130.71	46.97	28.83	18.32
3197	11904	98.31	160.67	12.68	60.38	43.62
2229	21740	98.31	2324.58	720.55	735.41	291.35
1835	5197	98.25	665.08	91.17	332.53	86
3599	1175	98.23	72.7	15.21	631.74	347.72
2507	11553	98.23	263.42	25.11	92.62	46.25
1955	22598	98.2	2883.49	1095.79	993.37	345.97
2108	18994	98.2	57.38	2.69	29.85	12.42
4144	699	98.2	1237.14	187.92	610.41	155.87
4030	26320	98.15	144.01	56.59	23.9	32.81
2569	11720	98.15	1489.98	359.38	743.47	267.56
3866	16809	98.15	130.18	28.14	29.63	25.5
4235	21657	98.12	1770.79	258.03	750.1	290.74
5	4439	98.12	502.34	119.99	222.01	60.98

3567	1221	98.12	627.32	163.76	31.87	119.86
1149	3265	98.09	62.91	17.76	225.9	90.16
3120	1854	98.09	5465.43	775.66	1968.13	947.45
3133	20354	98.09	350.06	81.49	51.73	57.86
1121	2939	98.07	45.3	15.15	208.16	81.81
3982	15189	98.07	5969.98	386.71	1653.18	1653.8
2027	6479	98.07	2289.3	197.25	1041.02	391.42
1654	8522	98.07	480.18	173.39	149.92	76.01
3120	1850	98.07	6728.75	1010.26	2461.72	1089.81
2968	19	98.07	1463.42	232.84	590.66	210.37
605	16367	98.04	304.75	182.47	1419.78	542.72
1926	4969	98.04	1755.88	638.34	261.33	250.1
576	11203	98.01	68.58	2.09	42.4	18.09
2217	2161	98.01	1595.75	274.89	367.24	274.12
204	6018	97.99	749.11	182.64	5848.41	3949.32
1309	24249	97.99	428.32	12.89	1446.45	1263.42
3140	7784	97.96	40.67	11.95	121.82	50.8
999	4191	97.96	258.34	4.33	183.79	78.42
1371	22030	97.96	7883.99	135.84	8120.43	4261.97
492	11959	97.93	40.15	4.6	97.1	31.57
1499	2310	97.93	603.36	352.07	90.42	99.17
3700	22321	97.91	177.49	38	77.19	109.51
3065	563	97.88	2576.2	241.31	1370.88	388.51
776	5110	97.88	870.99	206.61	322.35	110.36
1334	24082	97.85	262.26	14.27	158.75	62.78
271	6862	97.85	151.27	16.77	320.59	110.78
1276	4084	97.85	71.15	12.44	194.07	64.18
3965	23321	97.83	63.68	31.09	238.36	64.78
1879	3504	97.83	559.61	125.07	284.83	82.89
1336	26133	97.8	649.04	133.72	191.79	217.17
4179	9842	97.8	831.74	70.75	1604.42	413.81
1826	10659	97.8	648.61	122.28	157.32	138.92
2500	14481	97.78	1271.59	344.57	489.91	168.45
2968	20	97.78	852.43	123.48	346.14	135.56
3185	2555	97.78	383.1	140.99	126.87	88.36
2841	3292	97.78	7492.5	1443.96	2555	1370.84
3147	20605	97.75	246.93	38.56	112.87	50.48
422	309	97.75	1276.81	260.98	694.08	136.26
337	15284	97.75	399.67	66.24	201.11	56.2
3427	17340	97.75	3144.79	753.44	1199.84	591.08
648	19411	97.72	103.78	16.34	33.84	21.73
2517	19082	97.7	448.09	14.54	318.06	60.33
3482	8597	97.67	175.18	13.53	102.88	33.13
435	20701	97.67	2490.8	624.91	879.77	386.8
1698	11596	97.64	204.07	8.62	112.17	51.53
1295	4951	97.64	657.08	84.96	204.22	158.01
120	10320	97.62	36.54	3.72	78.9	23.21
4181	412	97.62	4643.75	1399.8	1637.06	815.45
229	6296	97.56	84.44	0.49	87.19	27.36
3125	20889	97.54	435.07	184.77	155.58	72.49
4198	15652	97.51	2207.48	158.31	1501.42	366.17
3612	23569	97.51	120.9	29.9	261.09	59.61
3710	16726	97.46	292.15	101.58	792.75	196.26

4120	155	97.46	105.31	49.11	41.74	26.6
4139	358	97.4	2982.73	459.97	1475.19	463.5
3075	23869	97.4	175.4	32.45	65.04	132.7
3090	4450	97.38	99.16	6.61	197.15	61.13
3481	8097	97.38	1564.26	321.91	807.52	193.29
3749	21977	97.35	175.05	58.91	708.56	219.76
3749	21978	97.33	62.93	7.26	177.97	66.66
1010	25112	97.3	42.85	0.76	22.12	19.76
3931	20707	97.3	68.7	64.18	607.34	298.88
3072	16519	97.27	1229.29	290.23	368.96	220.83
475	16446	97.27	28.54	1.46	62.46	20.61
3357	5622	97.22	2725.41	505.82	1593.05	373.48
3685	4314	97.17	215.14	33.24	455.42	117.76
427	15115	97.17	49.63	3.52	26.46	13.62
3075	23868	97.14	579.71	92.07	235.15	688.31
3965	23322	97.14	185.8	85.55	556.77	145.98
4166	2153	97.14	59.02	10.93	27.5	16.14
1287	2853	97.11	121.1	21.77	57.69	45.93
97	24228	97.09	1920.8	552.93	977.26	259.71
2926	21014	97.06	418.99	61.15	1043.77	351.03
407	23301	97.06	92.56	16.56	188.16	47.67
4063	8210	97.06	405.39	124.68	126.29	86.65
4206	15626	97.06	2124.33	290.87	1329.46	251.25
3441	20114	97.03	64.45	6.01	27.02	26.71
3191	19392	97.03	2795.11	688.74	1455.54	349.41
3406	20298	96.98	637.18	8.37	508.65	152.64
110	3604	96.98	42.06	4.01	80.53	22.91
464	5384	96.98	131.54	29.81	27.29	61.5
605	16366	96.95	182.94	101.39	798.85	304
3108	16198	96.93	194.54	41.59	93.11	37.06
394	21707	96.93	206.79	62.29	40.94	52.29
4200	18541	96.93	1513.68	54.25	1076.93	225.43
3566	10306	96.9	684.54	148.28	343.87	103.05
3044	4198	96.9	1755.06	186.43	1089.27	230.7
4216	25691	96.9	1243.83	80.1	887.18	306.88
3072	16520	96.88	3617.88	707.67	1783.61	608.39
2884	1641	96.85	237.07	33.58	110.38	51.88
4226	18611	96.8	1883.04	397.42	1139.82	540.71
62	4133	96.74	132.22	38.36	375.36	112.11
3986	17530	96.74	54.11	22.11	256.81	108.06
2867	9134	96.72	324.43	15.37	473.65	107.28
3192	24263	96.66	42.49	2.35	20.33	14.62
3005	1540	96.66	77.16	11.72	161.63	58.63
2218	3431	96.66	1601.08	72.37	1043.5	312.68
606	12848	96.61	62.44	22.75	194.15	65.15
4155	871	96.61	78.18	7.85	43.74	16.04
639	13088	96.58	212.24	140.67	1277.88	438.73
3241	15612	96.56	100.23	6.66	445.31	327.96

**TABLE 5CC: DICLOFENAC**  
**Timepoint(s): 24 hrs**

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2046	2248	99.42	123.05	20.63	276.37	64.08
2610	14081	99.18	750.44	470.01	42.44	119.33
2382	18465	99.02	696.39	23.92	275.39	190.6
364	6431	98.97	1162.87	697.58	184.89	232.1
2836	19703	98.83	38.21	5.5	111.44	38.67
3494	20803	98.81	70.55	7.85	286.63	114.33
1765	4444	98.81	42.8	23.25	618.7	352.58
961	1809	98.7	3248.17	2400.05	128.8	721.62
123	14600	98.57	313.62	64.89	116.49	54.82
501	11966	98.57	159.04	4.79	295.17	95.77
2644	4026	98.54	957.89	143.85	373.03	129.82
2897	17913	98.52	92.83	15.81	195.84	44.19
4030	20698	98.46	3100.88	519.76	894.92	436.82
1912	22522	98.44	111.57	20.12	248.85	63.35
2654	6532	98.38	260.11	19.09	140.84	43.61
1950	9166	98.33	130.71	46.97	28.83	18.32
1835	5197	98.25	665.08	91.17	332.53	86
2507	11553	98.23	263.42	25.11	92.62	46.25
2108	18994	98.2	57.38	2.69	29.85	12.42
3866	16809	98.15	130.18	28.14	29.63	25.5
2569	11720	98.15	1489.98	359.38	743.47	267.56
3567	1221	98.12	627.32	163.76	31.87	119.86
5	4439	98.12	502.34	119.99	222.01	60.98
4235	21657	98.12	1770.79	258.03	750.1	290.74
3133	20354	98.09	350.06	81.49	51.73	57.86
1149	3265	98.09	62.91	17.76	225.9	90.16
2968	19	98.07	1463.42	232.84	590.66	210.37
3120	1850	98.07	6728.75	1010.26	2461.72	1089.81
2027	6479	98.07	2289.3	197.25	1041.02	391.42
1121	2939	98.07	45.3	15.15	208.16	81.81
605	16367	98.04	304.75	182.47	1419.78	542.72
2217	2161	98.01	1595.75	274.89	367.24	274.12
576	11203	98.01	68.58	2.09	42.4	18.09
1309	24249	97.99	428.32	12.89	1446.45	1263.42
204	6018	97.99	749.11	182.64	5848.41	3949.32
1371	22030	97.96	7883.99	135.84	8120.43	4261.97
999	4191	97.96	258.34	4.33	183.79	78.42
3140	7784	97.96	40.67	11.95	121.82	50.8
492	11959	97.93	40.15	4.6	97.1	31.57
1276	4084	97.85	71.15	12.44	194.07	64.18
271	6862	97.85	151.27	16.77	320.59	110.78
1334	24082	97.85	262.26	14.27	158.75	62.78
1879	3504	97.83	559.61	125.07	284.83	82.89
3965	23321	97.83	63.68	31.09	238.36	64.78
1826	10659	97.8	648.61	122.28	157.32	138.92
4179	9842	97.8	831.74	70.75	1604.42	413.81
3185	2555	97.78	383.1	140.99	126.87	88.36
2968	20	97.78	852.43	123.48	346.14	135.56
2500	14481	97.78	1271.59	344.57	489.91	168.45
3427	17340	97.75	3144.79	753.44	1199.84	591.08
337	15284	97.75	399.67	66.24	201.11	56.2

422	309	97.75	1276.81	260.98	694.08	136.26
3147	20605	97.75	246.93	38.56	112.87	50.48
2517	19082	97.7	448.09	14.54	318.06	60.33
435	20701	97.67	2490.8	624.91	879.77	386.8
3482	8597	97.67	175.18	13.53	102.88	33.13
1295	4951	97.64	657.08	84.96	204.22	158.01
4181	412	97.62	4643.75	1399.8	1637.06	815.45
120	10320	97.62	36.54	3.72	78.9	23.21
229	6296	97.56	84.44	0.49	87.19	27.36
1697	9583	97.56	299.68	83.41	61.1	99.67
3729	8817	97.56	1208.25	71.46	795.38	193.32
3125	20889	97.54	435.07	184.77	155.58	72.49
1599	6825	97.54	220.78	18.83	427.45	116.42
257	12108	97.54	162.64	23.68	354.51	99.65
2111	21209	97.51	409.26	138.72	83.36	83.88
4050	6366	97.51	634.09	146.11	274.67	103.36
134	1690	97.51	333.9	55.29	150.91	49.41
2375	16706	97.51	341.19	41.09	183.25	51.87
3612	23569	97.51	120.9	29.9	261.09	59.61
4198	15652	97.51	2207.48	158.31	1501.42	366.17
2104	8215	97.48	898.23	238.43	386.94	135.31
2366	18239	97.46	125.92	19	31.14	28.12
4120	155	97.46	105.31	49.11	41.74	26.6
3710	16726	97.46	292.15	101.58	792.75	196.26
263	19412	97.43	747.4	71.56	387	117.83
2598	21871	97.43	595.81	105.03	323.19	79.41
4139	358	97.4	2982.73	459.97	1475.19	463.5
3075	23869	97.4	175.4	32.45	65.04	132.7
2285	6189	97.38	434.7	248.73	3932.55	2204.54
3090	4450	97.38	99.16	6.61	197.15	61.13
3481	8097	97.38	1564.26	321.91	807.52	193.29
3749	21977	97.35	175.05	58.91	708.56	219.76
1174	3773	97.35	279.96	56.93	67.59	60.5
992	5111	97.35	686.4	173.48	235.43	134.49
1321	10532	97.35	570.1	71.47	279.06	93.25
1558	1431	97.33	28.55	23.44	433.11	188.55
1335	22619	97.33	710.18	106.2	299.88	114.53
2134	11438	97.33	147.39	15.6	67.58	27.21
1317	11322	97.33	1129.97	93.13	701	170.55
3705	10269	97.33	3302.71	386.33	2041.79	390.93
2037	8794	97.33	2165.18	720.69	1099.96	281.4
1253	22746	97.3	707.53	186.64	277.13	131.57
1010	25112	97.3	42.85	0.76	22.12	19.76
3931	20707	97.3	68.7	64.18	607.34	298.88
475	16446	97.27	28.54	1.46	62.46	20.61
1410	24200	97.27	1227.62	173.04	438.65	250.36
3072	16519	97.27	1229.29	290.23	368.96	220.83
2475	11934	97.25	140.68	16.52	76.25	22.82
2123	23422	97.25	82.48	7.53	46.51	18.73
3357	5622	97.22	2725.41	505.82	1593.05	373.48
427	15115	97.17	49.63	3.52	26.46	13.62
3075	23868	97.14	579.71	92.07	235.15	688.31
3965	23322	97.14	185.8	85.55	556.77	145.98

4166	2153	97.14	59.02	10.93	27.5	16.14
1287	2853	97.11	121.1	21.77	57.69	45.93
2926	21014	97.06	418.99	61.15	1043.77	351.03
407	23301	97.06	92.56	16.56	188.16	47.67
4063	8210	97.06	405.39	124.68	126.29	86.65
4206	15626	97.06	2124.33	290.87	1329.46	251.25
3441	20114	97.03	64.45	6.01	27.02	26.71
3406	20298	96.98	637.18	8.37	508.65	152.64
110	3604	96.98	42.06	4.01	80.53	22.91
464	5384	96.98	131.54	29.81	27.29	61.5
605	16366	96.95	182.94	101.39	798.85	304
3108	16198	96.93	194.54	41.59	93.11	37.06
394	21707	96.93	206.79	62.29	40.94	52.29
4200	18541	96.93	1513.68	54.25	1076.93	225.43
3566	10306	96.9	684.54	148.28	343.87	103.05
3044	4198	96.9	1755.06	186.43	1089.27	230.7
4216	25691	96.9	1243.83	80.1	887.18	306.88
3072	16520	96.88	3617.88	707.67	1783.61	608.39
2884	1641	96.85	237.07	33.58	110.38	51.88
4226	18611	96.8	1883.04	397.42	1139.82	540.71
62	4133	96.74	132.22	38.36	375.36	112.11
3986	17530	96.74	54.11	22.11	256.81	108.06
2867	9134	96.72	324.43	15.37	473.65	107.28
3192	24263	96.66	42.49	2.35	20.33	14.62
3005	1540	96.66	77.16	11.72	161.63	58.63
2218	3431	96.66	1601.08	72.37	1043.5	312.68
606	12848	96.61	62.44	22.75	194.15	65.15
4155	871	96.61	78.18	7.85	43.74	16.04
639	13088	96.58	212.24	140.67	1277.88	438.73
3241	15612	96.56	100.23	6.66	445.31	327.96
3967	2367	96.5	153.33	95.09	398.08	98.45
3967	2368	96.45	519.34	219.75	1083.1	200.39
3763	6774	96.45	34.91	2.63	61.67	17.43
4078	25550	96.42	70.64	4.66	39.47	24.33
4216	18606	96.42	1207.33	160.05	728.42	177.68
2856	25276	96.37	130.69	3.42	82.19	44.48
4198	15653	96.37	1638.85	135.67	1072.9	274.97
3156	17541	96.35	540.76	254.84	1632.87	639.3
77	18400	96.35	113.89	31.38	49.8	24.43
1298	24665	96.35	492.27	119.8	186.37	108.67
3749	25480	96.29	162.71	72.51	606.67	192.61
4127	18038	96.29	91.7	20.91	249.54	90.46
3292	21643	96.27	1451.47	224.01	891.61	221.53
3364	1173	96.24	386.94	112.68	1574.5	700.64
4225	25701	96.21	59.86	10.02	141	47.02
3439	20161	96.16	120.47	45.25	28.99	55.43
4285	1818	96.13	4439.99	851.1	2106.14	824.19
3677	12052	96.11	416.2	73.91	211.06	88.68
3471	1069	96.05	2693.85	405.96	1609.08	390.9
3878	9527	96	46.68	19.65	236.3	129.2
3125	20888	95.97	412.42	130.5	163.03	97
3393	1099	95.95	106.98	12.5	224.9	72.74
3080	25317	95.95	2669.42	378.25	1382.32	466.93



3171	18564	95.95	165.29	41.33	382.07	96.93
3576	17377	95.92	201.9	63.94	73.68	49.91

TABLE 5DD: DICLOFENAC				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3968	21098	98.99	2895.56	298.17	1143.47	530.83
1824	13222	98.57	412.94	33.98	244.33	49.84
2130	6057	98.54	403.63	125.03	111.33	139.16
901	402	98.54	2914.7	355.69	1199.65	404.18
2206	15191	98.49	5192.83	419.85	1205.02	1309.99
1358	6919	98.49	1532.73	188.03	339.91	285.97
2746	16859	98.43	759.09	81.64	232.86	108.39
986	23626	98.38	365.24	17.61	139.71	87.92
1661	8715	98.38	3414.69	298.43	1557.34	640.82
1146	3452	98.35	129.09	22.21	31.71	32.65
2277	14425	98.27	2123.57	645.32	449.15	427.92
3801	11830	98.25	1903.95	286.13	619.98	243.51
227	6295	98.25	2704.98	310.32	1085.88	426.2
3133	20354	98.2	311.83	57.77	51.26	57.05
3016	1844	98.06	386.32	100.75	113.99	61.69
891	12306	98.06	3648.59	940.68	1135.82	502.5
3567	1221	98.04	527.52	137.11	31.03	118.66
3344	356	97.98	354.82	49.42	145.21	64.12
3208	14997	97.93	1153.88	376.73	285.42	271.16
2334	21568	97.88	269.87	99.63	66.65	49.99
1410	24200	97.88	1517.94	278.19	435.74	242.77
2632	4670	97.88	2496.11	502	480.38	410.8
2744	18783	97.82	737.39	64.53	389.2	112.99
625	548	97.8	57.46	14.06	400.27	222.71
1928	1841	97.72	233.58	57.2	46.74	51.26
3520	6891	97.66	264.26	28.13	544.98	219.71
2230	2557	97.66	92.91	19.66	35.46	16.47
2968	19	97.66	1290.82	157.48	589.54	209.47
2175	22906	97.61	2114.49	469.86	555.71	414
3516	23606	97.58	1317.16	356.02	402.85	216.17
855	2655	97.4	69.75	18.39	287.17	169.4
394	21707	97.35	212.84	51.62	40.56	51.66
464	5384	97.27	148.99	35.13	27	61.22
3583	16562	97.27	473.78	127.36	205.24	71.09
3516	23608	97.19	1208.38	291.55	396.25	181.28
2301	14561	97.13	301.51	38.61	180.81	57.5
2712	3617	97.11	2739.52	313.16	1367.84	516.18
1190	16821	97.08	1060.67	209.13	535.3	143.56
3103	9424	97.05	2225.46	477.8	1008.91	374.91
3401	23491	97.03	37.59	15.67	140.44	66.6
3982	15190	96.95	6551.63	708.1	1820.91	1692.04
2246	2359	96.89	22.13	11.54	101.28	46.5
3801	18795	96.89	1412.82	402.36	538.19	196.3
2126	19012	96.82	896.84	128.33	438.96	163.43

2027	6479	96.76	2129.89	252.93	1039.05	389.39
2237	12792	96.71	107.68	14.92	42.38	35.81
1646	10270	96.71	20.84	19.68	140.18	62.9
3967	2368	96.71	658.98	74.66	1083.7	200.52
2333	8477	96.66	625.57	128.85	300.92	116.79
1839	2961	96.55	94.68	17.39	41.06	20.17
2968	20	96.55	719.66	108.64	345.63	135.46
1174	3773	96.52	237.12	61.33	67.32	60.27
2664	17664	96.5	715.67	141.01	279.32	160.36
2737	17950	96.36	195.3	21.06	106.91	40.34
2710	14776	96.36	52.62	7.91	148.14	49.23
434	16327	96.28	236.77	64.26	544.9	157.57
4099	1639	96.28	101.27	17.82	197.14	45.79
1540	7913	96.13	312.36	54.3	165.09	71.72
3832	15103	96.05	134.3	3.56	179.38	33.07
1325	22840	96.02	1649.81	308.3	873.65	258.97
2418	12946	96.02	155.12	26.49	349.58	99.66
249	12088	95.83	241.33	35.14	119.28	53.51
635	17800	95.78	40.88	10.48	102.12	36.29
3439	20161	95.78	100.16	34.79	28.88	55.44
3982	15189	95.78	5938.56	990.57	1644.15	1642.84
3080	25317	95.73	2601.23	361	1379.88	464.15
1489	7451	95.7	1878.35	262.08	1137.68	307.82
1254	8368	95.62	43.09	29.16	192.84	79.45
2720	23230	95.59	164.32	20.46	302.08	105.02
3932	17564	95.49	314.92	17.82	493.73	137.7
232	11021	95.46	82.39	25.14	260.59	96.22
330	21574	95.41	533.56	84.01	985.01	271.75
3930	23349	95.3	82.47	6.75	132.74	33.79
52	21679	95.28	24.4	6.35	61.71	24.1
1252	22733	95.22	63.55	12.91	26.38	20.47
1355	6918	95.22	518.65	16.4	416.5	384.38
3652	24219	95.2	742.54	85.54	379.34	187.82
877	15606	95.14	394.1	34.7	611.57	139.67
1552	5451	95.09	378.74	18.2	270.07	89.54
984	23369	94.9	83.29	25.57	227.13	80.12
2779	15170	94.88	78.6	28.28	196.67	56.39
105	21368	94.8	81.82	12.05	174.81	54.32
899	13557	94.77	356.74	47.35	636.66	160.37
2249	4383	94.75	156.27	23.64	83.9	33.37
3492	21062	94.72	76.05	16.15	24.89	77.95
1157	3722	94.69	726.67	105.31	395.48	144.35
1170	3730	94.67	3264.3	637.18	1641.3	693.25
3583	16561	94.64	393.63	76.06	227.68	69.2
2732	26335	94.64	2858.06	627.98	1130.13	748.06
1497	1114	94.59	817.1	46.37	566.08	206.94
2864	959	94.56	44.1	4.28	21.21	14.97
1743	10918	94.48	276.78	35.51	161.42	60.59
171	8237	94.45	170.84	35.21	90.4	35.69
3253	6598	94.45	379.04	52.96	182.85	84.47
1041	8725	94.35	68.91	10.95	23.29	25.02
4260	1877	94.35	374.31	61.37	697.52	185.52
1296	2193	94.35	89.18	16.09	42.41	29.51

1758	10958	94.35	76.5	10.79	41.87	16.04
3996	11840	94.32	32.38	3.98	69.51	36.62
3985	5719	94.32	21.26	22.19	86.48	33.42
3528	15755	94.24	446.61	57.29	741.64	180.47
3489	12422	94.24	42.86	4.56	68.97	21.6
4192	20715	94.21	449.89	61.9	383.88	432
3144	10248	94.19	52.62	9.25	25.86	25.23
1257	1805	94.19	2725.65	331.2	1449.2	630.73
4107	228	94.16	384.45	12.49	485.4	121.74
3275	6013	94.03	3000.23	187.33	1899.84	625.62
3779	16135	94	5451.45	291.82	3555.2	2539.97
3469	23300	94	124.15	13.1	254.63	97.85
109	23368	93.92	24	7.28	76.35	35.27
538	12010	93.9	59.33	4.75	106.17	37.5
4121	18302	93.76	404.35	116.32	146	137.28
3598	1404	93.71	23.16	6.66	64.75	30.9
1507	1876	93.52	415.08	82.79	775.09	202.2
3061	17787	93.47	2375.51	97.48	1559.9	1004.11
2543	18402	93.47	34.87	8.04	69.71	21.06
3572	15188	93.44	136.62	9.03	188.86	35.57
3143	960	93.39	130.81	14.13	215.85	65.85
221	18723	93.31	364.82	40.26	556.56	126.38
331	1904	93.31	513.91	65.51	976.01	545.92
1257	1804	93.26	4964.54	605.41	2595.22	1260.97
3171	18564	93.15	220.08	37.71	382.3	96.96
3617	17379	93.13	229.33	24.92	117.99	71.05
3930	23348	93.13	47	3.97	75.54	22.33
822	21827	93.1	111.01	11.85	164.08	37.68
2539	13092	92.97	42.78	38.01	221.01	123.49
3855	14591	92.94	32.03	7.91	70.16	24.41
2920	16130	92.83	5184.54	390.69	3525.46	2339.12
3062	15675	92.81	284.38	35.01	449.15	187.1
3129	25563	92.73	883.55	158.59	1406.91	309.32
3962	15017	92.6	5560.91	358.68	3971.97	2710.22
2465	15426	92.3	170.4	21.13	266.54	62.97
3612	23569	92.3	172.2	24.29	261.17	59.74
1471	15936	92.25	48.19	11.55	24.69	17.52
3813	16123	92.2	161.58	42.01	82.27	68.22
3983	16401	92.17	8708.17	642.14	5353.63	5001.54
2902	10530	92.14	56.5	9.41	101.21	34.36
3345	16150	92.09	933.17	99.46	668.68	277.14
3080	6478	92.09	6079	548.16	3223.82	1796.75
3895	8641	92.04	435.2	70.94	221.17	143.8
3251	21013	92.04	2865.74	139.93	2614.05	1219.9
3016	1843	92.02	79.5	14.81	29.38	16.31
3959	17109	92.01	7214.62	625.72	4950.32	4394.45
470	21917	91.97	342.09	108.81	74.09	63.39
4185	20168	91.95	343.75	132.92	52.24	72.77
3489	12423	91.91	94.66	17.41	168.85	72.45
3967	2367	91.83	258.09	34.72	398.15	98.83
1228	23045	91.8	221.05	18.12	163.93	54.31
3344	355	91.79	176.62	21.06	64.55	37.78
419	15980	91.77	25.65	10.24	63.69	23.22

4121	18301	91.75	301.7	71.49	147.3	94.31
3853	19942	91.69	194.61	8.46	144.77	54.12
3364	1174	91.64	3663.8	251.71	2386.49	1397.25
1212	22567	91.61	111.14	13.97	178.29	48.4
2775	21653	91.56	349.67	23.57	264.44	91.66
1237	18675	91.51	1228.45	105.34	797.85	503
2865	1350	91.43	65.04	4.6	101.63	31.77
48	22910	91.32	188.79	23.68	284.05	62.76
3866	16809	91.31	110.62	32.46	29.5	25.35
3572	15186	91.24	86.67	8.28	127.78	36.34

TABLE 5EE: DICLOFENAC				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
1824	13222	98.57	412.94	33.98	244.33	49.84
2130	6057	98.54	403.63	125.03	111.33	139.16
2277	14425	98.27	2123.57	645.32	449.15	427.92
3567	1221	98.04	527.52	137.11	31.03	118.66
2334	21568	97.88	269.87	99.63	66.65	49.99
625	548	97.8	57.46	14.06	400.27	222.71
2230	2557	97.66	92.91	19.66	35.46	16.47
3520	6891	97.66	264.26	28.13	544.98	219.71
464	5384	97.27	148.99	35.13	27	61.22
3516	23608	97.19	1208.38	291.55	396.25	181.28
2301	14561	97.13	301.51	38.61	180.81	57.5
1190	16821	97.08	1060.67	209.13	535.3	143.56
2126	19012	96.82	896.84	128.33	438.96	163.43
2027	6479	96.76	2129.89	252.93	1039.05	389.39
1646	10270	96.71	20.84	19.68	140.18	62.9
2237	12792	96.71	107.68	14.92	42.38	35.81
2333	8477	96.66	625.57	128.85	300.92	116.79
1839	2961	96.55	94.68	17.39	41.06	20.17
1174	3773	96.52	237.12	61.33	67.32	60.27
2664	17664	96.5	715.67	141.01	279.32	160.36
2737	17950	96.36	195.3	21.06	106.91	40.34
4099	1639	96.28	101.27	17.82	197.14	45.79
434	16327	96.28	236.77	64.26	544.9	157.57
1540	7913	96.13	312.36	54.3	165.09	71.72
3832	15103	96.05	134.3	3.56	179.38	33.07
249	12088	95.83	241.33	35.14	119.28	53.51
3439	20161	95.78	100.16	34.79	28.88	55.44
3080	25317	95.73	2601.23	361	1379.88	464.15
1254	8368	95.62	43.09	29.16	192.84	79.45
3932	17564	95.49	314.92	17.82	493.73	137.7
3930	23349	95.3	82.47	6.75	132.74	33.79
52	21679	95.28	24.4	6.35	61.71	24.1
1355	6918	95.22	518.65	16.4	416.5	384.38
1252	22733	95.22	63.55	12.91	26.38	20.47
3652	24219	95.2	742.54	85.54	379.34	187.82
1552	5451	95.09	378.74	18.2	270.07	89.54

984	23369	94.9	83.29	25.57	227.13	80.12
105	21368	94.8	81.82	12.05	174.81	54.32
2249	4383	94.75	156.27	23.64	83.9	33.37
3492	21062	94.72	76.05	16.15	24.89	77.95
2732	26335	94.64	2858.06	627.98	1130.13	748.06
3583	16561	94.64	393.63	76.06	227.68	69.2
2864	959	94.56	44.1	4.28	21.21	14.97
1743	10918	94.48	276.78	35.51	161.42	60.59
3253	6598	94.45	379.04	52.96	182.85	84.47
171	8237	94.45	170.84	35.21	90.4	35.69
1758	10958	94.35	76.5	10.79	41.87	16.04
1296	2193	94.35	89.18	16.09	42.41	29.51
4260	1877	94.35	374.31	61.37	697.52	185.52
1041	8725	94.35	68.91	10.95	23.29	25.02
3985	5719	94.32	21.26	22.19	86.48	33.42
3528	15755	94.24	446.61	57.29	741.64	180.47
3489	12422	94.24	42.86	4.56	68.97	21.6
1169	3725	94.19	142.26	41.16	44.4	53.55
3144	10248	94.19	52.62	9.25	25.86	25.23
4107	228	94.16	384.45	12.49	485.4	121.74
1025	22251	94.08	153.02	21.22	95.25	38.99
213	6252	94.03	175.57	30.66	369.52	149.64
3469	23300	94	124.15	13.1	254.63	97.85
3779	16135	94	5451.45	291.82	3555.2	2539.97
3903	18004	93.98	100.14	19.83	47.04	31.05
109	23368	93.92	24	7.28	76.35	35.27
2420	8917	93.9	121.68	25.68	42.47	42.63
827	23005	93.9	191.35	31.62	124.41	86.42
538	12010	93.9	59.33	4.75	106.17	37.5
1184	14404	93.82	825.25	223.47	315.66	277.71
4121	18302	93.76	404.35	116.32	146	137.28
1335	22619	93.76	506.47	62.44	299.87	115.44
1963	14459	93.76	7567.09	496.35	4348.63	2005.16
3598	1404	93.71	23.16	6.66	64.75	30.9
1251	11251	93.55	176.33	26.91	84.83	66.71
1507	1876	93.52	415.08	82.79	775.09	202.2
2543	18402	93.47	34.87	8.04	69.71	21.06
3061	17787	93.47	2375.51	97.48	1559.9	1004.11
3572	15188	93.44	136.62	9.03	188.86	35.57
973	23512	93.42	485.53	59.23	810.99	237.25
1262	22230	93.39	198.57	14.63	144.75	34.07
3143	960	93.39	130.81	14.13	215.85	65.85
1595	5886	93.37	854.6	81.19	562.59	170.54
1603	18172	93.37	91.28	14.8	43.94	39.92
221	18723	93.31	364.82	40.26	556.56	126.38
331	1904	93.31	513.91	65.51	976.01	545.92
1257	1804	93.26	4964.54	605.41	2595.22	1260.97
1053	2163	93.23	191.66	34.02	104.84	65.44
3171	18564	93.15	220.08	37.71	382.3	96.96
149	2897	93.13	82.39	18.82	44.53	25.25
1478	7362	93.13	499.71	119.92	939.41	279.43
3617	17379	93.13	229.33	24.92	117.99	71.05
3930	23348	93.13	47	3.97	75.54	22.33

1502	7583	93.1	278.42	90.42	50.57	124.21
935	6720	93.1	183.72	57.33	31	97.86
822	21827	93.1	111.01	11.85	164.08	37.68
1563	18205	93.05	471.05	43.67	340.16	72.47
887	12301	93.02	236.82	42.03	137.61	66.66
2349	19427	93.02	5521.57	389.76	3976.69	2476
309	21466	92.99	7958.56	343.83	6529.42	2984.48
2539	13092	92.97	42.78	38.01	221.01	123.49
1548	5396	92.94	142.73	45.03	64.88	74.66
3855	14591	92.94	32.03	7.91	70.16	24.41
1508	7003	92.86	183.39	55.08	397.26	128.32
2920	16130	92.83	5184.54	390.69	3525.46	2339.12
3062	15675	92.81	284.38	35.01	449.15	187.1
3129	25563	92.73	883.55	158.59	1406.91	309.32
3962	15017	92.6	5560.91	358.68	3971.97	2710.22
2465	15426	92.3	170.4	21.13	266.54	62.97
3612	23569	92.3	172.2	24.29	261.17	59.74
1471	15936	92.25	48.19	11.55	24.69	17.52
3813	16123	92.2	161.58	42.01	82.27	68.22
3983	16401	92.17	8708.17	642.14	5353.63	5001.54
2902	10530	92.14	56.5	9.41	101.21	34.36
3345	16150	92.09	933.17	99.46	668.68	277.14
3080	6478	92.09	6079	548.16	3223.82	1796.75
3895	8641	92.04	435.2	70.94	221.17	143.8
3251	21013	92.04	2865.74	139.93	2614.05	1219.9
3959	17109	92.01	7214.62	625.72	4950.32	4394.45
470	21917	91.97	342.09	108.81	74.09	63.39
4185	20168	91.95	343.75	132.92	52.24	72.77
3489	12423	91.91	94.66	17.41	168.85	72.45
3967	2367	91.83	258.09	34.72	398.15	98.83
1228	23045	91.8	221.05	18.12	163.93	54.31
419	15980	91.77	25.65	10.24	63.69	23.22
4121	18301	91.75	301.7	71.49	147.3	94.31
3853	19942	91.69	194.61	8.46	144.77	54.12
1212	22567	91.61	111.14	13.97	178.29	48.4
2775	21653	91.56	349.67	23.57	264.44	91.66
1237	18675	91.51	1228.45	105.34	797.85	503
2865	1350	91.43	65.04	4.6	101.63	31.77
48	22910	91.32	188.79	23.68	284.05	62.76
3866	16809	91.31	110.62	32.46	29.5	25.35
3572	15186	91.24	86.67	8.28	127.78	36.34
3103	9423	91.23	1899.72	494.08	810.91	290.76
3025	20713	91.16	940.06	150.25	717.94	521.48
3194	24718	91.14	577.26	44.11	750.4	172.87
459	15630	91.11	21.95	3.32	37.86	12.78
152	3016	91.06	3883.9	162.24	2791.81	1521.04
121	21407	90.99	147.55	60.36	50.81	27.56
3367	15242	90.98	29.43	3.66	46.26	13.3
3177	6109	90.98	5084.76	427.43	3583.04	2268.92
3298	14498	90.98	190.73	21.56	293.51	74.29
3160	18770	90.95	337.23	27.45	466.95	106.33
3139	11938	90.9	834.77	83.98	1108.07	201.05
3033	13547	90.84	44.69	4.41	72.34	27.8

3083	20744	90.83	1481.65	317.99	343.77	294.93
3488	12193	90.79	85.94	12.35	128.44	28.13
3341	24766	90.79	21.28	2.26	39.74	21.98
3166	16871	90.74	36.82	2.87	57.18	23.7
2873	826	90.71	52.61	7.67	97.1	37.58
3643	4012	90.68	2248.17	171	2438.05	1162.53
3555	9929	90.63	448.54	48.38	673.08	182.35
3443	243	90.63	41.59	3.77	61.29	24.31
3105	16217	90.63	599.86	45.03	450.16	151.55
3161	17306	90.53	3646.9	140.28	2594.74	1274.48
903	4185	90.5	5947.25	549.24	4088.41	2983.78
3375	20938	90.47	487.93	29.41	612.77	105.12
3643	4010	90.34	3193.3	338.4	3087.63	2061.18
1357	4213	90.29	7489.35	711.25	4454.29	3874.87
3314	17740	90.26	2853.93	198.88	2195.43	958.57

**TABLE 5FF: DIFLUNISAL**

**Attorney Docket 44921-5038-01-WO**

**Timepoint(s): 24 hrs**

**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
536	14595	99.81	326.64	5.25	67.73	82.28
3535	354	99.79	92.36	0.22	82.21	152.61
3623	1857	99.68	135.38	34.61	22.97	156.76
4192	20715	99.63	2716.49	163.16	380.46	421.28
3335	18687	99.58	3600.76	172.19	657.37	578.39
3025	20713	99.55	3608.94	312.55	714.29	508.05
916	4207	99.5	185.94	8.55	527.67	274.65
3769	23274	99.47	402.83	6.49	611.73	121.31
875	22416	99.47	437.5	23.89	146.45	101.89
1483	7393	99.42	74.98	0.29	45.23	35.58
1088	2457	99.39	962.87	38.12	251.21	150.93
1109	8527	99.29	296.29	2.22	160.76	177.64
3335	26109	99.23	1616.96	208.74	145	258.03
3015	16807	99.1	6098.25	623.59	2326.3	989.13
1385	14267	99.1	2612.63	146.68	1188.41	382.61
3058	23699	99.1	1669.23	186.12	641.84	305.74
1358	6919	99.05	313.36	1.17	345	296.14
3014	15580	99.02	4010.96	141.66	2244.71	628.1
2289	3943	98.99	40.62	0.2	39.44	20.59
20	16901	98.99	215.2	3.21	339.04	84.81
1059	18138	98.97	7745.05	249.87	4546.56	1453.1
1969	23183	98.94	515.77	26.78	215.61	90.85
1731	8856	98.94	96.1	3.45	47.93	15.64
2992	20714	98.91	3334.71	868.91	564.34	693.87
2589	5602	98.91	1266.07	120.13	206.09	208.63
2840	18686	98.81	4181.68	704.04	702.56	597.85
1886	18742	98.81	1158.53	154.91	344.23	186.12
793	4271	98.78	512.28	68.14	59.26	134.04
3035	240	98.76	82.31	0.59	114.6	41.82
3345	16148	98.76	3131.87	592.64	1033.38	371.51
774	22851	98.76	69.88	1.07	112.97	55.9

3495	20925	98.76	2528.69	381.39	416.44	433.34
2528	4272	98.7	326.83	48.56	33.64	74.6
747	15577	98.68	3113.86	39.97	1900.42	671.98
3336	23130	98.68	366.67	2.8	524.09	146.28
3994	1858	98.65	243.5	90.09	24.58	181.75
2643	15085	98.62	3316.99	396.59	1428.45	429.04
3891	15408	98.62	625.53	11.49	292.03	164.72
685	4196	98.6	247.43	44.95	86.13	93.63
4138	1960	98.6	98.18	0.45	77.83	30.22
3923	18293	98.6	3200.02	349.15	1368.4	440.5
3643	4011	98.57	4856.75	731.97	1813.13	670.11
1284	18125	98.54	879.85	16.6	576.01	159.83
2218	3431	98.49	1471.97	17.51	1044	313.19
795	5213	98.46	626.54	2.92	541.16	185.69
267	17339	98.44	201.93	7.24	855.88	471.89
357	6409	98.39	192.76	5.07	108.77	47.06
3170	16275	98.39	5342.33	45.26	3432.65	2260.08
3293	21975	98.33	182.16	2.46	268.53	82.01
1141	21872	98.28	105.6	9.42	186.83	41.67
3274	10887	98.28	65.35	1.5	106.07	32.92
914	22604	98.28	3212.42	609.6	1027.7	464.38
282	21341	98.28	1507.43	72.03	855.62	302.78
692	21354	98.28	2463.17	381.13	422.38	398.02
2574	15582	98.23	13240.99	1092.99	5708.51	2856.56
1225	18072	98.23	57.09	0.78	33.1	24.95
2338	16703	98.23	2323.05	177.21	1167.43	382.89
3940	19099	98.2	122.48	1.45	83.93	33.96
3958	17758	98.15	2134.3	578.84	360.49	368.41
2443	2210	98.15	3413.1	319.9	1990.77	430.41
738	20711	98.15	1058.07	208.05	134.19	202.08
1298	24665	98.12	50.77	8.77	187.24	109.51
2292	17847	98.12	1109.04	68.03	704.75	149.14
351	6380	98.12	3422.14	327.69	1761.85	562.03
3058	23698	98.12	1633.49	392.24	356.69	404.55
3014	15579	98.09	3551.99	355.67	1675.76	670.38
1255	15848	98.07	2280.83	100.39	1329.5	349.44
4030	21355	98.07	1996.5	627.15	298.92	276.7
2093	22958	98.07	79.51	0.45	83.02	58.87
2591	14070	98.04	180.41	0.94	171.45	49.28
3645	28	98.04	502.98	13.94	804.95	268.31
129	11633	98.01	322.01	33.88	77.91	76.39
1323	21750	98.01	400.65	54.98	155.78	70.9
2850	1728	97.99	484.45	19.95	249.91	114.02
1457	2799	97.96	287.89	7.32	492.41	225.66
882	14763	97.96	1776.92	110	567	402.88
3122	26032	97.94	103.14	30.76	1130.68	604.66
3855	16190	97.91	1387.18	179.63	757.23	213.67
1685	8931	97.88	68.35	1.01	48.48	28.85
3692	16039	97.88	142.52	3.84	233.51	67.42
431	16215	97.8	408.88	21.59	778.84	177.05
976	15383	97.78	201.11	2.12	136.83	51.87
2022	6623	97.78	116.56	0.77	115.47	42.41
1714	9772	97.78	60.78	0.54	73.76	39.92



62	4133	97.72	295.72	3.82	374.97	112.6
4064	25500	97.72	78.04	3.85	155.25	51.57
1943	10754	97.7	130.1	9.34	40.7	57.5
777	21010	97.7	1495.14	115.56	675.45	295.81
3643	4012	97.67	6489.94	1063.65	2430.81	1149.27
708	15992	97.62	607.51	16.87	406.64	211.47
2043	18671	97.62	90.07	3.42	39.25	40.3
3191	19393	97.59	379.37	60.17	798.76	189.68
2079	2811	97.59	333.35	12.18	191.71	79.66
4177	23282	97.56	298.84	10.22	442.19	89.33
3845	17728	97.56	4193.46	58.07	2479.83	1319.44
2420	8917	97.54	174.7	22.84	42.6	42.58
3145	21730	97.51	538.03	232	218.83	73.46
1285	16701	97.51	4423	676.48	2271.55	713.2
1359	16521	97.51	469.77	38.23	266.26	66.2
3345	16150	97.43	1573.6	395.32	668.36	274.72
3270	18958	97.41	588.84	57.54	325.11	126.47
3162	15872	97.41	223.12	21.4	499.2	170.08
572	15154	97.41	288.7	30.16	623.63	173.66
4283	25777	97.27	448.38	9.97	685.54	244.67
2881	20984	97.17	1726.78	66.63	1181.05	301.13
3211	19335	97.14	164.87	9.31	296.14	83.97
3879	15124	97.11	2460.11	149.67	1349.34	445.46
3191	19391	97.09	87.1	24.42	320.53	127.27
3670	21575	97.06	300.48	34.01	536.03	129.67
4114	1559	97.01	21.25	3.51	69.74	31.21
509	3844	96.96	133.02	12.21	66.81	28.77
3221	1793	96.88	1868.73	112.45	1158.95	617.6
3029	1973	96.88	201.75	15.64	391.66	106.99
3494	20802	96.88	39.21	5.73	131.21	61.04
3980	25479	96.85	786.55	36.69	1190.74	285.23
1234	22602	96.77	373.46	67.73	121.61	87.18
3680	17554	96.66	3215.53	437.67	1570.92	604.8
2938	23486	96.61	218.26	7.08	342.64	91.48
1234	22603	96.56	598.4	90.03	260.86	110.37
3470	24537	96.53	450.32	71.52	844.92	185.31
4058	25064	96.51	2088.31	172.33	1186.67	355.89
2920	25319	96.48	8538.83	318.41	4208.95	2875.34
3321	20600	96.45	315.58	17.04	596.96	333.69
3684	11611	96.43	87.75	5.09	151.82	45.55
3879	15125	96.43	3495.72	502.98	1646.16	619.49
1566	20983	96.4	1624.54	141.09	996.65	291.76
3548	17764	96.4	2068.19	97.18	1186.61	460.31
436	16416	96.37	62.11	3.12	108.85	61.23
3092	382	96.32	188.08	10.02	297.38	89.15
3255	17807	96.29	3536.06	189.77	2045.22	727.16
3839	19018	96.27	181.03	18.11	356.77	119.14
3857	16546	96.21	343.62	20.2	191.66	87.35
3249	1399	96.21	28.91	4.9	97.81	92.64
3235	397	96.11	121.65	7.78	68.03	38.91
3929	16767	96.06	1098.65	97.03	604.95	197.6
408	18578	96.06	46.9	5.67	167.88	106.31
3182	20931	96	88.28	22.69	435.07	216.75

4066	25501	95.98	56.97	9.75	201.73	116.28
3344	355	95.98	22.14	2.43	65.09	38.41
3647	18315	95.95	116.68	16.48	46.58	38.2
3378	16450	95.95	103.94	10.67	248.94	92.08
3722	20555	95.95	886.45	217.49	339.47	186.15
4201	21152	95.95	6830.97	185.14	3588.66	2474.3
3706	10949	95.92	2718.83	53.76	1870.04	689.67
144	10623	95.87	1794.44	59.41	1102.66	503.38
3891	15409	95.84	1460.42	212.62	598.63	283.8
3457	25814	95.82	32.25	9.83	138.38	72.95
3555	25070	95.82	865.15	113.07	499.67	128.91
2936	12157	95.79	1472.37	349.51	574.18	982.99
3572	15187	95.79	65.46	2.44	108.49	43.46
3470	24535	95.74	226.85	48.81	609.2	205.56
498	9905	95.69	768.97	9.38	646.91	151.6
2907	4395	95.61	50.4	1.73	78.19	27.49

TABLE 5GG: DIOXIN			Attorney Docket 44921-5038-01-WO			
Timepoint(s): 168 hrs			Document No. 1935828.1			
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
891	12306	100	45.12	5.24	1148.2	528.98
4179	9842	100	3960.74	209.58	1599.04	404.38
4179	9841	100	4423.18	113.14	2165.26	556.94
3683	13185	100	1438.75	190.12	23.15	23.64
3801	23192	99.97	71.87	1.07	218.32	86.14
1119	2922	99.95	133.34	7.91	30.37	23.97
2085	3664	99.92	449.76	19.11	172.72	46.34
3714	24644	99.92	1956.55	143.91	36.49	45.04
3181	191	99.89	2495.34	514.49	47.1	44.07
315	21489	99.87	1024.29	199.36	125.2	76.13
3074	20703	99.87	5465.11	178.05	442.01	439.48
3315	15599	99.81	986.65	7.59	641.43	141.74
1559	9889	99.81	5330.11	633.19	1741.03	557.78
3683	13187	99.81	1805.73	344.92	27.64	17.13
966	23584	99.79	756.37	55.02	223.07	86.73
605	16366	99.79	2467.38	160.59	794.89	297.86
3912	6143	99.79	7928.44	967.04	809.18	349.44
1375	3693	99.76	926.62	138.57	237.46	92.88
4114	1559	99.76	237.36	11.82	69.4	30.55
807	4007	99.74	273.45	7.72	78.22	46.21
1728	14231	99.71	921.63	158.69	44.05	44.48
605	16367	99.71	5011.13	664.34	1411.72	525.41
3459	4561	99.71	1118.46	87.77	359.45	95.11
4119	21488	99.68	361.71	135.96	31.18	15.17
1513	10710	99.66	643.41	118.84	176.07	56.21
4252	588	99.63	1923.38	127.1	936.57	268.62
1014	23799	99.63	37.94	2.95	152.42	59.53
3242	24649	99.63	327.63	40.01	119.68	29.37
1938	23851	99.63	901.49	54.97	407.29	128.23
1420	9723	99.63	1672.55	10.19	1080.04	264.05

596	19443	99.58	3166.51	254.64	1363.96	431.16
2614	15107	99.58	11779.22	470.15	3926.89	2629.4
3027	70	99.55	113.27	9.16	473.15	142.96
160	6016	99.55	9537.97	2789.98	2086.82	704.11
4235	21657	99.55	210.48	24.41	753.12	293.81
2307	15252	99.55	844.88	58.71	341.17	110.84
858	19129	99.52	921.92	68.46	487.06	81.44
1188	3062	99.52	10420.59	2703.35	3289.84	863.73
3299	8182	99.52	680.21	21.69	1455.78	335.19
2927	1869	99.52	2949.73	247.42	1263.58	344.78
2405	21288	99.52	1240.96	310.61	410.07	139.6
3409	22727	99.47	8315.63	941.27	3516.33	948.93
3917	18027	99.44	576.29	207.71	48.26	23.9
3762	19322	99.44	964.39	62.5	532.85	115.91
3572	15188	99.42	309.06	12.05	188.45	35.36
2930	20429	99.42	101.38	11.86	625.22	260.42
3073	489	99.42	3511.28	549.72	30.75	321.21
872	4511	99.39	460.24	40.55	213.17	63.84
2571	6594	99.39	734.46	22.12	465.75	89.75
3167	25284	99.39	434.9	78.63	35.6	33.03
3904	17662	99.36	654.65	18.95	402.03	75.54
2853	179	99.34	42.35	8.43	144.72	47.92
3976	13563	99.34	4122.68	998.88	1179.22	336.82
2933	293	99.34	36.87	7.22	235.86	84.78
3013	16305	99.31	3595.94	914.71	1141.15	344.76
3504	6121	99.29	113.62	15.3	34.42	15.97
1290	3365	99.29	192.12	21.52	804.44	238.33
3713	8661	99.26	224.85	71.03	26.6	156.55
4144	699	99.26	1172.51	25.16	610.85	157.06
975	23520	99.23	250.96	5.31	146.34	52.63
180	4245	99.23	1992.81	270.32	736.36	169.63
1264	17359	99.23	11372.36	2758.4	3718.75	1008.01
1352	16307	99.23	213.34	0.8	164.49	43.22
2930	20430	99.21	90.52	19.8	825.34	378.93
2019	24341	99.18	74.78	5.07	34.5	47.99
3088	15098	99.18	42.84	1.4	118.8	41.13
2319	6628	99.15	634.88	78.78	287.9	73.75
4242	16780	99.15	1362.14	513.45	308.23	102.83
969	23320	99.15	532.99	37.28	240.86	77.45
4242	25725	99.13	724.78	271.51	141.84	58.66
1166	14149	99.13	40.54	1.35	89.86	33.11
1387	21468	99.13	57.17	0.83	27.9	88.27
2273	20669	99.1	254	16.47	127.12	38.82
917	12314	99.1	5617.22	749.84	2159.45	664.43
3073	488	99.07	8688.94	2485.17	134.23	652.38
1674	16905	99.05	166.94	11.9	69.25	38.54
2667	16781	99.05	1700.4	746.5	326.9	111.74
1937	3488	99.05	133.89	7.23	60.03	29.31
2648	4918	99.05	477.88	19.29	206.95	102.5
938	22713	99.02	72.88	3.44	230.08	90.15
2228	18525	99.02	495.81	69.06	202.68	79.49
3073	20705	98.99	11263.92	2621.54	1011.22	852.84
1431	8594	98.97	1013.91	50.86	544.16	134.75

3247	1698	98.97	1686.86	259.61	208.61	204.62
3759	16018	98.94	96.76	8.44	47.74	31.03
2229	21740	98.94	393.75	21.16	739.32	301.35
1102	2581	98.94	26.93	3.01	89.88	32.33
3879	15126	98.94	4704.33	738.51	1270.37	521.78
2839	21051	98.94	52.38	1.52	168.9	87.58
646	14495	98.91	1168.01	309.82	321.92	106.49
2567	409	98.91	157.03	2.52	102.42	57.39
1148	2354	98.91	2565.91	493.93	816.22	282.15
2258	1169	98.91	442.56	178.26	62.52	30.34
3993	18867	98.89	1974.42	508.83	824.06	218.05
1400	3697	98.89	963.19	110.37	426.22	134.46
3426	17324	98.86	116.94	11.64	378.69	117.57
3742	16364	98.84	643.42	143.53	178.43	86.44
2488	23628	98.84	615.8	45.67	326.81	85.75
4014	8719	98.84	50.1	0.66	81.9	34.05
2104	8215	98.84	1082.88	133.38	386.91	134.74
3879	15124	98.81	4496.25	860.65	1346.1	428.82
3250	18989	98.81	6527.42	1960	1469.82	658.61
2969	1632	98.81	28.26	0.77	62.07	21.48
2258	1170	98.78	629.85	253.39	109.41	50.42
3011	4225	98.65	647.9	96.4	334.19	78.53
1207	25149	98.62	25.34	0.15	30.7	14.21
3635	17427	98.57	2236.12	603.08	1119.24	246.13
3129	10260	98.52	57.84	9.42	201.64	82.48
3879	15125	98.49	6854.53	1899.84	1640.83	585.25
409	23336	98.49	109.9	14.66	24.39	24.38
1287	2853	98.46	53.93	0.16	57.83	46.02
4224	15106	98.46	4082.01	917.35	1828.09	450.72
3270	18957	98.44	189.24	5.49	371.45	149.62
583	2119	98.44	72.25	4.52	38.98	11.82
3074	20704	98.41	8209.04	3041.64	1293.54	797.58
3879	5492	98.39	612.26	323.44	35.46	57.81
3879	5493	98.36	652.01	260.38	53.44	59.03
3886	19833	98.33	21.5	5.61	125.24	61.04
571	23888	98.31	353.54	129.57	117.75	50.34
591	19251	98.25	722.96	9.31	547.98	94
455	24470	98.23	5537.76	784.95	2590.38	863.94
3063	25049	98.17	95.2	2.18	61.27	27.31
3358	17304	98.12	41	3.1	91.18	34.42
2843	1306	98.04	468.2	225.51	140.27	82.06
3058	23699	98.04	984.29	37.51	642.93	308.23
2946	15378	98.04	229.93	17.17	118.7	37.73
3228	21681	98.01	117.26	28.93	45.59	23.75
3680	17554	97.96	4315.2	990.01	1569.17	597.73
3650	15024	97.96	1805.38	799.27	361.71	279.52
3141	23445	97.96	25.96	6.11	235.91	130.79
3879	15127	97.96	2364.01	462.12	690.77	320.16
3130	1371	97.96	162.88	15.47	43.39	41.53
39	18361	97.94	973.05	116.13	423.93	180.39
104	13930	97.94	63.99	2.4	147.8	105.89
3082	4574	97.88	267.31	57.44	618.96	137.41
2960	24518	97.86	1350.66	241.97	777.2	156.03

2939	25325	97.83	4307.57	254.96	1619.58	1175.18
4093	1583	97.8	71.6	8.85	28.59	14.07
541	8317	97.78	103.5	66.14	636.22	221.78
3941	17635	97.75	217.88	29.81	477.21	125.42
3432	19711	97.72	100.52	8.2	209.49	71.77
2939	25326	97.72	6502.2	448.25	3135.2	1432.07
2852	2515	97.7	204	59.19	618.19	182.66
669	24474	97.7	3341.12	736.07	1477.08	411.71
3287	10504	97.56	1662.71	199.63	951.66	260.35
3454	762	97.54	2882.92	134.72	1602.64	597.91
2820	20026	97.51	123.94	2.61	85.9	27.86
2922	21012	97.49	3602.46	577.96	1514.87	563.06
2795	7176	97.46	103.69	16.8	57	38.2
4077	24469	97.46	913.61	69.1	621.78	199.73
4114	1558	97.46	259.14	91.06	91.51	39.5
4158	794	97.46	508.32	27.89	802.5	228.74
3931	20707	97.46	146.04	31.5	606.93	299.27
3548	17765	97.43	409.77	27.82	885.74	344.25

TABLE 5HH: DIOXIN						
Timepoint(s): 6, 24 hrs						
Attorney Docket 44921-5038-01-WO						
Document No. 1935828.1						
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3912	6143	99.87	4317.36	1089.06	805.61	384.02
2405	21288	99.52	2021.89	619.26	404.55	90.82
949	22755	99.5	731.23	197.48	136.68	51.8
3073	489	99.42	3583.7	632.69	21.21	260.5
3073	488	99.28	6372.72	923.25	121.36	617.41
3242	24649	99.2	275.96	48.41	119.35	28.68
3459	4561	99.18	919.3	134.9	358.28	92.71
3713	8661	99.12	189.45	68.11	26.22	156.56
3074	20703	99.12	3973.4	780.19	435.01	422.61
3167	25284	99.07	273.87	110.16	35.22	32.68
2345	13619	98.96	469.96	209.78	78.53	65.6
966	23584	98.91	595.5	88.93	222.34	85.9
3073	20705	98.89	7144.4	1385.33	1001.5	858.49
2258	1169	98.59	232.93	61.89	62.4	32.39
3074	20704	98.57	5479.96	992.05	1286.78	803.54
2258	1170	98.38	382.34	115.71	109.08	51.79
3247	1698	98.3	1111.72	271.58	207.13	204.43
2307	15252	98.2	675.4	117.85	340.55	110.45
917	12314	98.12	4958.16	1147.22	2153.07	651.21
3879	5492	98.12	407.17	264.21	34.8	56.08
3879	5493	98.04	447.87	235.03	52.72	57.18
3250	18989	97.82	4129.41	1153.62	1466.58	666.89
1938	23851	97.74	702.74	40.16	406.82	128.46
3878	9527	97.51	628.99	90.04	234.23	126.94
3878	9528	97.11	562.67	162.18	200.32	89.53
605	16366	97.08	1871.31	567.19	792.98	295.5
543	3427	96.97	196.11	43.15	79.39	40.34
1645	8457	96.84	114.68	42.8	27.37	24.92

605	16367	96.82	3315.64	884.55	1409.37	528.75
1189	3690	96.79	805.91	407.95	261.68	125.29
4052	1937	96.55	1339.77	331.65	572.07	327.85
2231	23449	96.55	3104.26	738.51	841.37	689.06
772	23448	96.5	4472.58	1660.85	1076.25	831.89
4019	23682	96.36	525.38	136.11	245.55	100.44
1626	8220	96.13	220.36	52.4	102.56	40.04
3516	23608	95.14	795.8	112.54	398	187.75
3255	17807	94.69	3225.07	153.73	2042.58	726.46
1934	11301	94.51	634.99	158.89	286.88	146.16
4030	20050	94.35	748.02	84.99	339.5	204.63
2638	22866	94.03	524.06	59.11	336.47	99.07
3535	353	93.9	125.52	38.07	59.87	123.88
1327	21192	93.79	135.98	44.67	55.12	44.86
1972	2264	93.71	254.04	31.91	408.42	96.74
1951	19064	93.42	226.67	15.79	159.53	44.39
409	23336	93.29	66.2	20.66	24.35	24.47
3473	8212	93.26	3080.84	204.91	1976.37	729.43
2392	3067	93.26	272.51	51.22	173.13	48.04
3917	18027	93.11	217.67	139.55	48.38	29.47
1728	14231	92.95	403.32	298.54	43.92	48.55
1949	9192	92.89	2611.89	316.23	1620.59	665.1
2695	11264	92.52	115.31	14.52	57.97	37.9
1097	2542	92.49	26.8	14.39	90.54	46.71
1891	17768	92.38	508.98	107.74	771.48	144.13
3289	18925	92.36	173.76	12.2	110.65	54.07
826	22677	92.22	200.39	36.08	121.46	73.6
3976	13563	92.16	2682.83	602.24	1177.52	343.01
3755	11319	91.93	49.14	5.01	28.94	18.22
2550	15173	91.68	1111.82	292.37	350.11	153.94
2490	7084	91.61	811.27	79.74	446.97	209.06
1148	2354	91.44	2333.01	966.09	812.56	267.77
3150	6781	91.37	315.24	46.79	182.31	80.86
185	6619	91.36	781.02	169.94	397.94	95.63
3939	21577	91.35	209.31	40.92	114.33	70.98
2084	22340	91.27	273.9	45.11	527.89	183.73
2086	11426	91.24	54.82	12.26	122.47	53.36
1646	10270	91.16	222.98	22.57	139.32	63.14
2367	9157	91.16	112.83	19.29	47.5	43.61
319	21529	91.14	172.28	40.58	324.48	97.55
3220	15296	91.11	93.79	40.27	211.01	76.4
1289	8130	91.1	133.83	47.51	26.18	30.84
2689	14725	90.95	111.76	8.55	73	28.49
3320	15227	90.9	2109.11	196.29	1547.32	350.05
1644	9383	90.86	113.63	44.65	27.8	24.04
924	13751	90.84	82.91	12.47	53.55	39.78
2059	6164	90.72	605.76	127.27	338.02	84.35
3294	2967	90.63	2868.91	249.17	1812.14	1025.98
2327	4791	90.55	143.91	12.56	107.63	33.5
245	23521	90.51	583.68	189.86	192.33	141.3
2104	8215	90.3	715.35	150.06	386.63	135.84
3527	15743	90.27	439.35	132.05	227.72	78.54
2852	2515	90.21	349	83.59	618.68	182.75

3494	20803	90.18	188.64	20.65	286.58	114.7
1889	11492	90.15	263.78	103.86	520.85	158.95
3533	14468	90.15	126.14	17.44	86.34	26.77
3177	6109	90.07	6093.92	500.91	3578.75	2265.06
170	6222	90.06	140.98	58.09	28.24	32.28
2042	3429	90.06	503.67	174.2	238.73	89.86
596	19443	90.03	2484.35	509.35	1362.07	430.5
990	23673	89.99	220.76	24.84	371.92	145.35
1904	9047	89.99	405.39	50.43	230.46	133.79
4043	9176	89.99	516.66	37.37	408.28	78.14
766	22534	89.95	977.69	174.85	593.79	142.8
1176	26117	89.92	340.12	68.01	258.6	309.34
2393	23262	89.92	23.88	7.08	48.01	17.4
1513	10710	89.9	333.15	99.88	176.14	58.21
1745	9384	89.85	88.82	31.18	28.97	22.42
2288	16739	89.82	1077.66	133.48	673.58	160.39
4054	19428	89.76	10977	1376	5593.94	4076.86
3855	19772	89.68	53.32	5.13	71.78	60.33
2390	7460	89.65	15959.29	1721.18	8318.37	5705.68
3879	15124	89.61	2734.2	592.64	1345.23	437.59
3239	20826	89.3	140.39	19.32	220.82	70.05
3734	25468	89.28	3533.83	445.3	2319.31	1102.35
2849	25041	89.25	36.61	7.91	102.06	66.16
3779	16135	89.2	6079.82	593.9	3552.53	2537.45
3228	21681	89.19	91.84	28.28	45.51	23.72
4235	21657	89.17	370.79	100.53	753.88	293.88
3202	17401	89.12	203.14	26.21	434.1	217.73
294	16132	89.01	5865.77	632.9	3394.46	2222.59
903	4186	88.64	5638.41	635.44	3628.39	2063.6
2833	23220	88.59	123.1	24.03	84.64	30.19
3879	15126	88.52	2607.62	724.74	1270.16	531.79
3220	15295	88.43	112.65	29.9	194.67	59.07
3879	15127	88.28	1500.07	454.48	690	322.35
3710	16726	88.16	586.8	56.63	792.56	197.38
2911	4407	87.95	79.7	12.14	144.33	57.76
3734	25469	87.92	2397.79	319.15	1625.67	753.12
561	19227	87.87	75.68	11.56	117.21	34.26
3959	17112	87.82	8780.37	1086.9	4680.78	3961.6
3734	17829	87.79	3658.47	448.66	2368.91	1197.67
611	8438	87.74	41.31	12.02	94.39	45.39
4158	794	87.74	627.48	84.8	802.77	229
4179	9842	87.65	2284.39	132.25	1599.89	413.31
3656	19340	87.61	305.16	11.44	361.54	83.1
3170	16275	87.55	6111.42	805.81	3424.32	2257.07
3513	24434	87.53	132.07	27.63	233.39	100.31
3256	24862	87.47	132.11	20.7	200.66	58.58
3078	17676	87.47	5085.23	608.47	3101.17	1642.91
2921	25051	87.39	3863.25	383.85	2688.82	1552.56
2949	3549	87.34	124.96	16.37	201.83	82.03
4273	764	87.3	112.67	86.11	100.3	38.08
2919	12155	87.23	337.38	34.34	632.65	668.12
3246	1958	87.23	4790.66	486.37	3316.01	1945.06
4212	1959	87.1	4888.04	547.76	2974.28	1815.96

4030	21904	86.94	3897.73	317.81	3002.3	1597.44
416	17742	86.94	2311.33	185.01	2009.47	695.24
3560	1835	86.9	163.05	43.48	96.7	41.41
3058	23698	86.9	679.99	152.24	357.35	407.83
4257	23576	86.89	1479.53	70.25	1335.66	314.38
3672	20404	86.82	231.23	202.01	205.04	111.02
3129	10260	86.76	110.95	25.47	201.79	82.57
4044	20784	86.68	194.28	94.41	392.33	143.32
3587	21094	86.62	60.09	67.09	233.99	145
903	4185	86.6	6978.14	910.52	4084.03	2979.96
4060	25481	86.6	4340.67	457.91	3058.37	1745.8
3294	2970	86.57	3368.47	375.1	2295.35	1091.39
4201	21152	86.49	5797.67	752.11	3584.44	2476.36
2968	19	86.46	396.68	39.76	593.34	214.2
3307	20779	86.35	2030.22	256.82	1368.89	347.65
3058	23699	86.32	917.21	113.29	642.31	308.34
817	1897	86.32	139.32	28.42	84.66	34.04
2920	25050	86.25	3679.92	483.99	2368.6	1302.87
1430	1409	86.25	283.07	54.69	411.46	113.96
3793	19252	85.99	330.82	38.53	520.83	190.2
2920	16130	85.91	5670.73	927.47	3523.39	2336.88
3106	17148	85.8	6068.76	805.91	3825.99	2485.79
3850	15718	85.77	44.87	10	72.76	30.53
3738	24420	85.75	1988.24	191.34	1528.34	574.77
3950	745	85.72	26.49	1.34	26.85	12.99
2980	17472	85.7	4352.42	609.97	2564.44	1598.12
3488	12192	85.52	286.13	57.2	192.18	51.78
3906	25252	85.51	112.36	44.05	220.57	94.93
2332	14983	85.48	6883.32	1215.13	4024.13	3461.55
3061	17787	85.35	2655.76	444.29	1558.71	1002.63
4183	818	85.3	5380.67	628.86	3411.17	2156.46
672	15274	85.08	53.18	10.3	83.71	27.08
3657	24235	85.07	505.73	113.52	329.1	169.28
3477	4212	85.01	6376.04	787.98	4055.65	2672.48
3993	18867	84.97	1189.1	213.55	824.34	222.08
51	17062	84.95	69.11	11.87	114.71	47.85

**TABLE 5II: DMN** **Attorney Docket 44921-5038-01-WO**  
**Timepoint(s): 6, 24 hrs** **Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2278	10611	99.23	260.37	72.4	23.98	38.98
3178	20755	98.46	376.86	78.86	54.53	60.24
2402	7324	98.38	457.11	129.36	92.35	83.29
2602	12873	98.3	407.94	77	114.93	67.27
2828	20082	98.2	186.17	43.62	40	43.7
3178	20757	98.09	1163.72	405.06	271.12	115.22
3639	20449	98.06	83.53	20.65	40.61	104.49
273	21275	97.93	570.18	165.66	204.68	90.03
1614	3090	97.45	275.65	74.39	141.14	39.01
4230	25705	97.24	1290.52	178.77	741.1	195.7



3319	15301	97.19	91.6	25.54	25.71	129.29
3319	15300	96.66	421.39	88.59	231.58	229.6
3001	16427	95.99	81.11	13.6	223.4	81.95
3754	6155	95.91	106.94	23.89	275.99	110.88
133	1650	95.44	118.02	29.48	256.09	75.05
4254	16426	95.38	180.15	33.39	404.43	119.96
1641	19230	95.14	414.35	132.54	200.5	113.44
878	22681	95.06	322.74	96.22	158.17	361.42
2314	17239	94.93	662.68	105.52	447.81	102.34
3141	23445	94.82	31.51	22.16	236.45	130.54
1954	18943	94.53	616.56	97.37	370.31	114.49
3156	17541	94.48	2931.46	420.37	1625.04	635.87
1389	12745	93.79	69.9	14.85	40.07	23.9
4228	10109	93.71	1234.99	52.48	1046.73	223.89
3002	20481	93.58	40.6	9.74	97.31	35.1
4078	25550	93.47	78.27	16.65	39.37	24.25
1024	23928	93.37	71.3	26.48	144.71	37.67
1555	21228	93.31	78.48	17.26	167.64	61.75
124	23115	93.18	450.71	117.99	253.66	142.87
977	16823	93.13	423.93	50.59	753.84	216.05
1078	11274	92.7	183.86	45.89	308.91	67.56
1339	16824	92.06	103.69	44.85	263.55	99.01
2721	14594	91.73	176.08	53.81	46.07	37.76
1724	9196	91.64	140.71	29.23	274.89	87.41
228	10695	91.61	378.58	37.87	252.95	155.23
2660	1654	91.56	101.41	24.76	205	61.93
3073	20705	91.51	327.76	109.86	1030.44	949.55
1682	14424	91.39	349.64	162.38	91.56	282.7
1709	22929	91.32	689.87	130.29	1242.24	788.78
1337	3657	91.31	118.24	51.59	378.52	136.92
3657	24234	91.27	204.32	25.16	146.78	122.16
1034	22476	91.24	270.33	52.51	466.29	135.25
4223	1037	91.23	77.54	10.71	39.36	37.3
939	8860	91.22	565.01	111.13	361.06	137.37
218	17097	91.08	147.73	30.16	66.94	46.59
826	22677	90.57	279.58	106.61	121.13	72.8
1866	7184	90.51	427.1	151.85	144.47	69.17
3088	15098	90.39	64.64	15.43	118.91	41.13
3432	19710	90.34	133.76	18.3	240.26	107.59
3268	11150	90.34	61.64	22.65	178.91	93.15
1689	26184	90.33	582.38	179.83	278.07	79.64
2478	23048	90.31	408.77	34.44	315.57	61.65
1650	8494	90.26	103.62	25.77	192.52	70.38
3386	20735	90.21	284.86	70.69	189.51	132.51
3140	7784	89.99	72.74	14.56	121.86	50.88
1558	1431	89.86	275.65	56.58	432.92	189.36
1656	23776	89.76	33.3	24	135.64	69.41
2214	16518	89.73	1195.51	200.43	771.59	339.07
4087	40	89.7	200.35	21.2	363.96	186.44
1467	11547	89.54	197.93	53.7	344.87	111.06
2080	2131	89.53	45.39	25.7	120.14	29.79
3603	16938	89.45	1899.98	471.54	1366.33	273.44
138	1900	89.3	164.49	44.57	335.2	146.94

3852	4588	89.23	21.91	5.28	42.45	24.88
2696	18252	89.17	2218.64	327.68	1501.46	500.37
3101	18636	89.12	4123.05	577.24	2650.68	1037.55
1404	21796	89.12	149.5	23.05	104.57	58.07
465	1644	88.92	68.48	23.27	158.32	52.66
1688	8950	88.69	106.48	8.09	153.07	49.07
1224	18624	88.69	874.22	156.06	600.12	236.24
4167	25632	88.69	31.5	11.37	129.14	294.02
1164	3367	88.61	769.16	143.81	532.38	199.52
4097	1928	88.51	206.8	22.17	292.67	97.04
3074	20703	88.46	135.17	53.54	451.31	483.11
1436	17054	88.4	1579.04	60.14	1397.18	302.49
3175	24431	88.36	123.48	49.47	63.66	151.45
1997	21523	88.35	76.66	19.77	41.39	29.92
3318	18750	88.3	275.76	12.87	246.57	72.01
3278	4391	88.16	1232.65	146.3	936.26	222.33
151	5996	87.98	137.61	25.16	230.1	78.74
2733	19075	87.95	177.45	16.86	141.87	67.27
2083	8240	87.92	133.57	33.3	76.01	57.48
2240	16917	87.9	39.04	16.19	94.24	50.18
3685	4314	87.82	311.47	51.04	455.52	118
2672	23964	87.81	92.91	39.26	184.17	47.24
2537	16073	87.77	74.26	28.35	173.59	76.39
2199	18936	87.74	2250.9	303.58	1613.45	474.33
1111	2809	87.66	40.73	5.43	27.94	24.02
3268	11152	87.65	112.18	30.12	334.65	142.25
2121	6645	87.63	97.65	15.95	141.26	32.41
4227	17175	87.63	735.72	75.51	613.13	171.88
2280	547	87.57	556.61	117.35	373.58	91.18
35	11353	87.55	87.8	3.69	92.5	34.02
1920	2482	87.51	89.43	50.01	214.96	65.37
3661	6554	87.45	451.7	57.12	611.4	162.44
368	19105	87.34	932.98	84.45	764.77	185.7
1911	4914	87.27	181.2	169.82	481.83	150.22
2642	1653	87.25	221.08	68.26	387.22	96.06
2035	3916	87.23	1118.61	183.59	1540.3	411.05
3007	15571	87.21	36.15	13.09	136.96	374.23
3584	6911	87.19	97.02	52.48	234.31	74.39
3535	354	87.18	102.96	21.36	82.14	152.8
4211	20872	87.14	1093.96	138.31	763.28	263.11
499	17290	86.94	86.17	29.83	177.04	95.77
3050	25467	86.76	142.14	76.31	368.22	173.58
3113	7101	86.62	2244.38	133.5	1904.79	641.01
3193	1640	86.33	23.17	8.59	52.33	24.49
3863	15642	86.29	529.27	102.54	375.9	160.46
3440	20182	86.21	106.47	24.22	60.85	28.38
3101	18619	86.08	2018.28	204.02	1378.79	386.54
3268	11153	85.81	314.79	73.12	633.48	201.91
3610	20839	85.81	1404.91	102.74	1134.07	217.49
3928	7863	85.72	739.98	55.74	647.49	158.07
2835	14332	85.7	36.72	3.8	28.41	38.02
3847	1453	85.7	37.74	3.71	28.85	15.64
3584	6912	85.52	75.39	50.88	193.79	64.38

3155	20885	85.35	26.31	3.34	41.62	38.79
3319	15299	85.34	134.19	40.51	78.11	128.75
2836	19703	85.3	72.19	12.32	111.45	38.77
2919	12155	85.27	339.87	40.57	632.64	668.12
3295	17104	85.01	620.05	60.9	542.79	142.78
3119	10626	84.79	1565.68	127.64	1679.83	656.86
3647	18316	84.77	25.66	7.37	74.49	60.64
3292	21643	84.71	1070.61	134.59	892.03	222.99
4238	4441	84.57	1007.42	46.5	850.71	218.82
659	10540	84.18	89.19	37.15	23.7	18.1
3438	22352	84.14	175.6	48.02	110.25	181.7
4226	18611	84.02	1380.8	143.16	1140.38	542.3
2258	1169	84.01	100.82	23.79	62.97	34.33
3439	20161	83.97	38.04	10.98	29.15	55.67
1968	961	83.89	686.32	74.83	524.22	176.32
3486	9541	83.88	139.53	42.53	72.02	109.9
3643	4011	83.86	1124.99	213.07	1820.9	680.68
37	1647	83.8	41.79	15.18	90.88	36.55
3600	12639	83.69	1335.15	168.45	1101.1	175.62
3005	1540	83.6	111.33	19.77	161.66	58.72
4268	25747	83.52	531.85	101.55	425.7	234.21
3345	16150	83.49	432.85	83.94	670.8	277.26
544	15666	83.44	3808.6	1219.44	1491.8	648.23
3619	21625	83.41	2738.11	391.36	2033.72	625.73
4198	15653	83.36	1373.56	133.6	1072.82	275.73
3909	21842	83.28	326.33	95.49	564.34	295.41
629	17752	83.05	264.68	58.84	472.42	141.94
3090	4450	83.04	134.65	25.37	197.21	61.21
3105	16217	82.92	275.45	56.22	451.54	151.41
3258	24597	82.9	374.78	54.87	255.25	98.74
144	10623	82.86	1278.89	211.79	1103.01	504.51
530	23047	82.64	26.92	4.48	37.72	15.05
2205	17920	82.54	109.83	14.84	142.01	44.52
4286	3831	82.54	41.32	5.71	34.42	24.7
3679	24810	82.48	370.44	44.88	417.04	151.67
4077	24469	82.39	770.62	60.09	621.61	200.08
544	15667	82.38	2998.04	884.83	1560.04	547.14
3639	20448	82.34	72.6	21.45	42.76	74.17
4048	1753	82.3	561.45	72.44	440.41	172.36
3295	17105	82.19	1122.82	102.4	982.97	354.51
4242	16780	82.17	228.22	30.02	310.25	112.33
3601	23854	82.1	576.74	63.35	452.11	150.57
86	21064	82.09	71.37	7.22	64.12	25.19
3060	7064	82.06	402.56	67.08	334.93	202.12

**TABLE 5JJ: ESTRADIOL**  
**Timepoint(s): 24, 240 hrs**

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1700	9604	96.56	324.48	240.02	23.81	24.97
3814	14795	96.5	839.96	390.4	130.62	62.84

4089	313	96.45	396.58	195.81	39.16	50.91
1730	18877	96.34	1775.63	519.39	184.82	209.06
3338	20564	96.24	2070.38	776.36	289.99	235.64
4195	672	96.21	204.54	61.14	33.12	40.93
715	3944	96.21	2099.49	582.2	363.21	219.79
2915	14266	96.15	468.31	163.12	20.15	57.39
4204	173	96.08	310.69	51.46	110.4	79.09
305	17699	95.86	418.24	115.9	88.42	64.69
3190	9917	95.75	152.82	48.9	48.63	17.16
1629	8230	95.7	235.48	52.53	93.34	51.84
3876	16043	95.67	363.94	128.55	128.7	38.14
1681	10418	95.67	1234.87	274.54	422.24	250.23
3396	5264	95.67	836.54	240.63	76.71	144.31
2530	13963	95.57	586.69	209.48	189.84	94.39
641	17698	95.54	122.95	46.78	25.44	21.33
2716	11465	95.54	680.45	197.56	145.82	98.74
1627	8221	95.54	177.82	52.96	39.66	24.54
2626	3075	95.38	518.02	142.54	161.49	133.83
1029	24012	95.35	2128.85	551.3	402.89	298.07
796	10588	95.33	543.15	132.83	141.56	114.37
3876	25290	95.25	446.34	134.17	46.94	63.04
2180	6549	95.03	527.93	156.03	173.91	124.63
2626	3073	94.98	407.02	112.34	98.33	85.22
3943	21703	94.96	75.72	16.92	37.79	18.16
1096	12361	94.93	1081.3	258.25	418.31	190.05
3409	18141	94.82	1108.83	410.44	323	156.3
808	23468	94.79	907.91	169.04	498.58	125.27
2626	3074	94.79	306.61	85.94	85	60.55
3237	23362	94.74	530.23	137.65	212.25	69.47
698	4674	94.56	186.88	63.52	553.02	205.62
2539	13092	94.29	679.34	186.04	215.84	114.51
3190	9918	94.1	397.25	84.39	220.4	50.54
285	16329	94.1	655.6	169.89	257.59	109.16
1945	22722	93.94	578.53	279.92	27.36	100.34
2429	18612	93.81	216.88	44.5	100.71	37.01
848	21911	93.81	276.98	40.39	138.76	71.1
1543	7938	93.73	120.56	30.61	39.52	27.62
3884	969	93.59	257.51	85.63	55.08	61.78
2454	24013	93.51	192.1	40.65	61.8	62.2
3099	172	93.49	69.67	13.41	28.2	21.92
4237	25718	93.49	737.48	107.8	434.03	109.51
3649	9621	93.46	497.95	89.06	279.62	79.02
3205	16684	93.35	703.1	145.21	352.31	142.09
4290	1561	93.33	422.33	159.48	877.31	219.03
3884	968	93.33	566.66	131.6	172.42	124.46
265	12120	93.27	324.38	187.24	20.02	45.79
943	12585	93.19	975.9	134.47	605.72	137.58
637	21980	93.09	916.14	158.96	502.2	157.8
3622	12313	93.03	422.1	664.19	3729.49	1819.18
1037	2230	92.95	228.53	55.1	82.37	49.94
1074	2373	92.95	684.36	143.98	329.42	126.44
4208	25686	92.93	1078.24	147.51	718.57	185.04
3924	14959	92.85	874.14	141.99	535.16	172.43

3356	14971	92.76	244.89	86.66	96.62	36.48
3445	17101	92.74	328.1	54.36	182.12	63.54
1493	7514	92.66	205.13	38.9	121.92	34.23
214	9402	92.66	280.76	28.34	186.98	52.76
2470	2231	92.55	786.08	235.61	297.58	103.73
2379	2246	92.53	268.08	60.16	146.81	43.35
2494	6560	92.5	257.78	79.83	85.44	41.1
2645	12655	92.5	222.89	54.82	73.9	67.32
4227	17175	92.5	1033.17	158.08	609.62	166.89
352	13229	92.45	316.9	68.4	182.49	49.79
3936	4957	92.42	317.88	91.15	93.82	47.16
3502	24442	92.34	317.98	90.87	106.86	45.11
3936	4956	92.34	449.98	126.84	125.26	65.68
3048	291	92.34	624.72	134.5	314.15	110.88
2228	18525	92.29	72.91	26.7	204.39	79.63
3295	17104	92.29	874.98	133.89	539.93	138.94
1402	6547	92.26	905.05	377.01	247.6	187.11
910	6592	92.23	412.02	96.37	190.37	81.53
1429	7171	92.23	438.88	59.95	254.09	79.15
1403	16783	92.13	107.07	27.23	28.65	40.03
2269	14977	92.1	802.06	244	363.13	138.91
3767	4622	91.99	889.77	85.11	623.23	119.73
3767	4621	91.96	594.53	79.68	333.69	79.72
2011	7497	91.75	1137.54	116.59	1720.41	334.53
369	18140	91.59	502.43	195	137.91	92.29
2261	3528	91.54	173.34	71.42	42.9	39.78
1488	7448	91.48	213.17	50.15	86.8	41.66
1887	17171	91.46	631.51	138.97	282.44	173.09
4015	9778	91.46	407.44	114.93	39.49	141.34
663	17953	91.3	258.4	38.85	156.8	45.95
1533	7584	91.27	2389.92	621.26	930	532.9
1837	3905	91.25	659.52	129.23	393.66	157.55
3732	21103	91.14	419.88	113.99	173.02	65.01
23	17613	91.09	496.7	93.71	305.21	125.39
2598	21871	91.08	538.33	83.73	321.7	77.58
3479	5666	91.01	155.28	22.06	96.94	30.18
1763	19647	90.95	95.76	24.79	28.24	35.89
2874	970	90.92	483.81	160.43	99.36	103.22
159	6015	90.87	696.65	254.08	1513.29	391.3
3866	16809	90.77	59.32	11.32	29.56	25.85
3183	19110	90.71	247.1	61.32	100.92	103.93
434	16327	90.66	957.21	142.66	539.63	153.41
1746	9385	90.63	229.95	85.92	57.39	55.99
1821	6541	90.6	865.61	450.78	209.71	71.51
1899	9141	90.55	143.05	50.15	44.07	50.4
2801	7170	90.44	120.12	17.51	59.06	21.22
3116	16306	90.34	630.92	159	1104.48	252.81
4239	13646	90.34	1109.79	149.77	744.84	194.82
2251	14384	90.31	403.63	62.76	246.26	62.96
3609	24615	90.18	1159.74	161.11	831.33	195.66
2833	23220	89.94	161.96	44.64	84.06	29.14
671	3929	89.94	47.67	13.75	20.68	12.55
4072	25518	89.94	62.97	15.54	26.81	17.29

76	23203	89.78	198.96	45.89	101.91	42.06
2791	6128	89.7	121.41	26.8	60.77	20.91
2974	6405	89.35	70.26	14.73	39.68	34.47
1566	20983	89.27	590.36	116.18	1001.56	291.08
3189	17393	89.24	267.54	67.42	139.83	81.3
659	10540	89.24	52.22	14.11	23.7	18.52
3689	16178	89.05	236.39	36.88	153.56	37.83
1241	20741	89.05	74.95	21.79	21.67	29.92
4041	10544	89.03	261.15	37.36	179.06	71.34
535	4259	89.03	916.06	91.2	691.59	130.47
3499	21115	88.89	239	78.12	69.5	77.78
4273	764	88.89	183.21	36	99.55	37.52
3117	24707	88.76	616.27	161.16	1266.84	453.72
2791	6127	88.68	85.26	20.57	39.98	19.12
3673	16204	88.68	1097.79	181.64	765.94	201.19
2928	174	88.65	118.15	27.76	42.76	32.21
1942	13090	88.55	294.39	128.9	78.46	62.42
3434	19824	88.52	73.25	103.13	376.07	161.86
3194	24718	88.39	1006.92	83.71	747.2	171.68
3901	17956	88.39	98.37	19.08	57.85	19.13
3887	15839	88.33	522.05	93.62	332.64	85.14
3401	23491	88.09	333.66	104.21	138.15	63.58
3200	17174	88.04	81.17	16.95	42.7	18.1
1942	13091	88.04	412.29	144.18	155.89	76.91
4211	20872	88.04	1041.39	189.89	762.02	262.79
3220	15295	87.8	313.97	54.44	193.17	58.08
3801	18795	87.8	925.41	165.24	538.21	202.29
4228	25702	87.69	704.91	97.09	493.38	176.74
3434	19825	87.64	66.86	108.43	357.77	160.67
3183	19109	87.59	252.29	44.12	144.01	92.51
3236	20864	87.56	920.37	294.55	466.96	379.06
3981	14822	87.51	224.38	53.76	140.43	52.84
3801	23192	87.48	447.31	91.68	215.89	83.24
3356	14973	87.47	352.87	165.04	69.1	93.09
1232	8426	87.38	59.92	15.24	37.22	20.69
3388	15057	87.37	193.87	87.62	59.82	64.6
3363	20256	87.35	49.87	18.06	20.92	21.76
3337	16182	87.32	71.14	19.73	36.3	17
3986	17530	87.22	96.97	40.39	257.91	107.66
3154	11138	87.11	375.5	74.18	231.31	111.86
4238	4441	87.11	1056.88	96.17	849.4	218.54
4083	25071	87.1	788.12	234.51	310.08	180.66
3321	20600	87.06	169.83	75.26	600.61	332.49
3065	563	87.06	867.78	185.68	1378.28	390.47
469	18582	87	375.89	55.97	231.07	71.28
3317	17502	86.87	154.76	47.87	82.76	50.09
67	20998	86.76	691.22	190.72	1252.21	333.81
3260	24771	86.66	726.23	155.97	1111	316.73
513	3902	86.65	212.25	49.14	127.34	39.19
3376	16285	86.6	51.39	16.14	21.84	11.72
296	1867	86.57	921.57	146.81	627.71	163.29
3743	4090	86.57	871.98	102.21	604.17	151.53
3321	20601	86.55	351.5	152.17	974.6	456.91

TABLE 5KK: ESTRADIOL

Attorney Docket 44921-5038-01-WO

Timepoint(s): 24, 240 hrs

Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1700	9604	96.56	324.48	240.02	23.81	24.97
3814	14795	96.5	839.96	390.4	130.62	62.84
4089	313	96.45	396.58	195.81	39.16	50.91
3338	20564	96.24	2070.38	776.36	289.99	235.64
715	3944	96.21	2099.49	582.2	363.21	219.79
4204	173	96.08	310.69	51.46	110.4	79.09
3190	9917	95.75	152.82	48.9	48.63	17.16
1629	8230	95.7	235.48	52.53	93.34	51.84
3396	5264	95.67	836.54	240.63	76.71	144.31
1681	10418	95.67	1234.87	274.54	422.24	250.23
3876	16043	95.67	363.94	128.55	128.7	38.14
1627	8221	95.54	177.82	52.96	39.66	24.54
641	17698	95.54	122.95	46.78	25.44	21.33
796	10588	95.33	543.15	132.83	141.56	114.37
3943	21703	94.96	75.72	16.92	37.79	18.16
808	23468	94.79	907.91	169.04	498.58	125.27
285	16329	94.1	655.6	169.89	257.59	109.16
3190	9918	94.1	397.25	84.39	220.4	50.54
848	21911	93.81	276.98	40.39	138.76	71.1
1543	7938	93.73	120.56	30.61	39.52	27.62
3884	969	93.59	257.51	85.63	55.08	61.78
2454	24013	93.51	192.1	40.65	61.8	62.2
3099	172	93.49	69.67	13.41	28.2	21.92
3884	968	93.33	566.66	131.6	172.42	124.46
637	21980	93.09	916.14	158.96	502.2	157.8
3622	12313	93.03	422.1	664.19	3729.49	1819.18
1037	2230	92.95	228.53	55.1	82.37	49.94
4208	25686	92.93	1078.24	147.51	718.57	185.04
3924	14959	92.85	874.14	141.99	535.16	172.43
3356	14971	92.76	244.89	86.66	96.62	36.48
3445	17101	92.74	328.1	54.36	182.12	63.54
1493	7514	92.66	205.13	38.9	121.92	34.23
2470	2231	92.55	786.08	235.61	297.58	103.73
2379	2246	92.53	268.08	60.16	146.81	43.35
4227	17175	92.5	1033.17	158.08	609.62	166.89
2494	6560	92.5	257.78	79.83	85.44	41.1
3936	4957	92.42	317.88	91.15	93.82	47.16
3936	4956	92.34	449.98	126.84	125.26	65.68
3295	17104	92.29	874.98	133.89	539.93	138.94
2228	18525	92.29	72.91	26.7	204.39	79.63
1402	6547	92.26	905.05	377.01	247.6	187.11
1429	7171	92.23	438.88	59.95	254.09	79.15
910	6592	92.23	412.02	96.37	190.37	81.53
2269	14977	92.1	802.06	244	363.13	138.91
3767	4622	91.99	889.77	85.11	623.23	119.73
3767	4621	91.96	594.53	79.68	333.69	79.72

369	18140	91.59	502.43	195	137.91	92.29
2261	3528	91.54	173.34	71.42	42.9	39.78
1488	7448	91.48	213.17	50.15	86.8	41.66
4015	9778	91.46	407.44	114.93	39.49	141.34
1887	17171	91.46	631.51	138.97	282.44	173.09
663	17953	91.3	258.4	38.85	156.8	45.95
1837	3905	91.25	659.52	129.23	393.66	157.55
3732	21103	91.14	419.88	113.99	173.02	65.01
2598	21871	91.08	538.33	83.73	321.7	77.58
3479	5666	91.01	155.28	22.06	96.94	30.18
1763	19647	90.95	95.76	24.79	28.24	35.89
2874	970	90.92	483.81	160.43	99.36	103.22
3183	19110	90.71	247.1	61.32	100.92	103.93
1746	9385	90.63	229.95	85.92	57.39	55.99
1899	9141	90.55	143.05	50.15	44.07	50.4
1519	21172	90.55	813.06	113.01	490.51	160.19
2801	7170	90.44	120.12	17.51	59.06	21.22
837	21987	90.39	137	20.87	84.44	37.99
4239	13646	90.34	1109.79	149.77	744.84	194.82
3116	16306	90.34	630.92	159	1104.48	252.81
2251	14384	90.31	403.63	62.76	246.26	62.96
2435	3557	90.2	166.27	41.47	88.79	27.7
3609	24615	90.18	1159.74	161.11	831.33	195.66
2761	11404	90.07	337.81	61.67	219.87	128.38
4072	25518	89.94	62.97	15.54	26.81	17.29
856	9549	89.78	96.96	68.79	254.96	76.31
76	23203	89.78	198.96	45.89	101.91	42.06
836	22142	89.75	100.55	27.67	41.39	23.66
744	4944	89.72	203.87	34.03	127.58	121.75
735	22969	89.72	511.73	40.8	362.89	83
2791	6128	89.7	121.41	26.8	60.77	20.91
2096	15684	89.59	655.81	111.39	359.52	135.25
202	5863	89.56	479.87	95.02	260.3	89.85
311	19211	89.54	219.37	51.87	118.87	48.29
1342	6881	89.48	307.32	38.73	213.15	48.65
914	22604	89.46	459.07	86.87	1036.66	471.34
2233	23299	89.38	396.88	90.55	201.15	149.27
2974	6405	89.35	70.26	14.73	39.68	34.47
1154	3458	89.3	1123.42	134.52	1576.64	296.12
1742	9372	89.3	398.56	45.33	299	192.39
1566	20983	89.27	590.36	116.18	1001.56	291.08
3809	23305	89.19	155.49	26.25	91.43	45.74
1061	24322	89.11	145.11	36.86	72.3	31.36
3862	19544	89.06	891.86	146.89	571.84	201.63
3689	16178	89.05	236.39	36.88	153.56	37.83
1241	20741	89.05	74.95	21.79	21.67	29.92
535	4259	89.03	916.06	91.2	691.59	130.47
4041	10544	89.03	261.15	37.36	179.06	71.34
1597	8701	89.03	220.3	81.92	102.22	32.95
910	6593	89	715.81	119.17	467.49	140.01
1438	7199	89	1024.2	198.78	1733.47	453.66
1101	2569	88.95	513.29	147.4	911.55	288.99
969	23320	88.92	413.96	78.54	239.67	76.42



1978	13018	88.92	92.42	24.5	41.58	23.01
3499	21115	88.89	239	78.12	69.5	77.78
4273	764	88.89	183.21	36	99.55	37.52
2791	6127	88.68	85.26	20.57	39.98	19.12
3673	16204	88.68	1097.79	181.64	765.94	201.19
2928	174	88.65	118.15	27.76	42.76	32.21
1942	13090	88.55	294.39	128.9	78.46	62.42
3194	24718	88.39	1006.92	83.71	747.2	171.68
3901	17956	88.39	98.37	19.08	57.85	19.13
3887	15839	88.33	522.05	93.62	332.64	85.14
3200	17174	88.04	81.17	16.95	42.7	18.1
1942	13091	88.04	412.29	144.18	155.89	76.91
4211	20872	88.04	1041.39	189.89	762.02	262.79
3801	18795	87.8	925.41	165.24	538.21	202.29
4228	25702	87.69	704.91	97.09	493.38	176.74
3183	19109	87.59	252.29	44.12	144.01	92.51
3236	20864	87.56	920.37	294.55	466.96	379.06
3981	14822	87.51	224.38	53.76	140.43	52.84
3801	23192	87.48	447.31	91.68	215.89	83.24
3356	14973	87.47	352.87	165.04	69.1	93.09
1232	8426	87.38	59.92	15.24	37.22	20.69
3363	20256	87.35	49.87	18.06	20.92	21.76
3337	16182	87.32	71.14	19.73	36.3	17
3986	17530	87.22	96.97	40.39	257.91	107.66
3154	11138	87.11	375.5	74.18	231.31	111.86
4238	4441	87.11	1056.88	96.17	849.4	218.54
4083	25071	87.1	788.12	234.51	310.08	180.66
3321	20600	87.06	169.83	75.26	600.61	332.49
3065	563	87.06	867.78	185.68	1378.28	390.47
469	18582	87	375.89	55.97	231.07	71.28
3317	17502	86.87	154.76	47.87	82.76	50.09
67	20998	86.76	691.22	190.72	1252.21	333.81
3260	24771	86.66	726.23	155.97	1111	316.73
513	3902	86.65	212.25	49.14	127.34	39.19
3376	16285	86.6	51.39	16.14	21.84	11.72
296	1867	86.57	921.57	146.81	627.71	163.29
3743	4090	86.57	871.98	102.21	604.17	151.53
3986	25039	86.55	514.51	175.16	979.57	310.7
410	4222	86.55	649.32	61.74	493.24	211.92
3188	763	86.55	57.45	13.65	27.28	17.95
3321	20601	86.55	351.5	152.17	974.6	456.91
3673	16205	86.49	1510.63	228.6	1094.77	260.32
4084	13520	86.44	227.09	44.64	109.61	87.22
3508	17586	86.44	329.91	73.86	223.15	70.21
3649	9620	86.44	710.72	110.06	531.44	111.24
73	18180	86.39	42.27	8.45	23.41	11.06
384	14353	86.36	46.85	5.35	37.25	21.8
3859	15136	86.34	866.19	176.15	585.63	293.13
3010	17123	86.33	166.01	29.38	108.16	36.38
636	12312	86.18	626.54	164.97	975.51	266.72
31	24628	86.17	324.07	43.17	229.71	51.23
600	17590	86.17	149.63	20.51	105.95	46.78
22	15654	86.14	550.7	120.95	322.51	146.66

3291	5351	86.04	795.4	108.5	590.62	117.27
3632	18539	85.99	263.14	51.82	145.61	68.05
3887	15838	85.98	278.55	39.3	195.67	39.04
3238	20729	85.98	390.1	76.46	239.28	67.43
3369	18573	85.91	190.93	33.19	132.68	33.63
3484	9241	85.88	240.69	36.12	166.41	44.83
3750	14925	85.82	575.36	129.28	321.05	101.88
3333	23825	85.64	58.4	12.17	37.98	26.01

TABLE 5LL: GEMFIBROZIL				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 168 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3058	23699	99.47	2609.83	358.43	633.02	272.51
3058	23698	99.36	2915.36	526.82	345.13	361.61
3623	1857	99.2	376.61	125.74	21.27	154.74
2992	20714	99.18	3333.45	744.96	554.04	672.88
3994	1858	99.18	580.52	188.9	21.98	177.26
2027	6479	99.07	152.66	32.23	1048.4	390.92
3345	16150	99.02	1942.74	276.34	663.03	261.15
3335	18687	98.96	3559.7	515.91	646.64	550.87
4071	18647	98.8	124.66	28.39	420.59	146.55
1771	17705	98.78	37.24	7.02	131.68	38.38
3345	16148	98.72	2519.41	339	1028.83	365.54
364	6431	98.7	30.31	10.04	187.79	238.15
1886	18742	98.67	1239.1	300.55	340.77	176.5
2286	17706	98.65	75.85	15.5	182.62	42.67
2840	18686	98.62	3141.77	399.62	695.15	588.33
3296	17686	98.57	1544.6	145.76	873.61	180.45
4030	21355	98.51	1481.07	192.8	295.35	272.48
2625	14131	98.41	238	85	33.36	29.94
1795	6213	98.38	51.17	8.34	153.05	53.91
4050	6366	98.35	112.39	14.11	276.3	104.32
3923	18293	98.35	3270.42	548.89	1361.22	423.7
3566	10308	98.33	616.18	139.67	1480.3	341.59
1461	9885	98.33	45.36	11.59	297.91	110.56
1830	3279	98.3	1409.57	180.37	695.28	186.92
1988	11363	98.3	122.59	26.84	505.74	172.38
2405	21288	98.27	652.52	59.96	410.11	142.95
401	22813	98.27	28.35	7.24	114.52	43.88
692	21354	98.22	2046.25	245.95	417	389.19
691	12094	98.19	10361.77	904.15	4813.41	1786.49
3080	6477	98.17	938.37	123.68	2271.56	862.5
1827	2316	98.14	29.01	9.84	131.45	52.33
738	20711	98.14	906.86	155.33	131.56	197.74
4066	25501	98.11	23.71	12.36	202.44	115.91
3514	24458	98.11	275.35	47.25	633.46	153.12
2535	3581	98.11	576.77	63.08	309.21	74.14
751	2683	98.11	107.58	23.12	350.89	114.4
3067	15740	98.11	209.22	35.17	980.35	339
1912	22522	98.09	490.14	82.77	247.28	61

4192	20715	98.09	2091.79	423.29	375.09	412.81
1873	21832	98.09	580.54	288.43	2778.47	1003.27
2203	20001	98.06	1577.58	169	949.56	194.85
3958	17758	98.06	1713.59	355.87	356.13	362.28
2321	4576	98.06	23.1	8.95	186.15	78.03
1893	17770	98.01	222.81	24.69	574.98	219.89
1651	8500	98.01	712.67	203.07	3270.19	1161.43
188	6066	97.98	67.81	16.14	284.38	127.76
2153	22947	97.98	88.95	24.24	298.36	78.27
4080	16131	97.95	497.97	110.75	2040.39	930.01
3810	18644	97.93	588.78	172.34	2185.59	805.18
3454	760	97.9	139.13	42.17	792.84	407.71
386	17142	97.9	124.27	49.45	681.38	310.59
2592	3860	97.87	997.95	183.24	391.48	155.68
905	22283	97.79	96.8	41.39	471.15	173.93
1790	19373	97.77	177.67	73.31	1035.66	514.42
2295	19586	97.74	946.91	106.76	556.6	117.71
1953	21164	97.74	805.05	90.04	361.52	163.18
167	7714	97.72	68.49	7.09	143.46	36.74
1511	6192	97.72	1251.06	236.53	551.05	175.62
3472	20915	97.69	2045.65	453.59	527.41	348.7
216	19438	97.69	35.93	14.8	328.05	189.26
212	17824	97.66	52.42	21.84	187.15	61.4
3927	9268	97.66	331.13	45.71	158.68	60.5
2546	6193	97.66	413.14	71.06	198.5	50.12
3320	15224	97.64	1240.35	83.54	801.51	216.72
351	6380	97.61	3541.78	631.52	1755.04	550.24
2968	20	97.61	90.58	28.62	348.58	136.56
3324	5749	97.61	49.59	13.62	198.26	85.05
2776	12956	97.58	98.86	22	249.31	74.91
2485	4280	97.58	524.37	179.03	1560.46	493.62
3761	6962	97.58	106.39	26.66	361.91	136.26
894	17471	97.58	73.36	29.67	420.33	187.76
1973	6291	97.56	495.72	53.94	984.83	240.12
3357	5622	97.53	874.58	88.99	1599.28	374.49
2766	2416	97.53	193.16	29.71	477.18	137.96
3265	6654	97.45	68.24	23.35	205.8	72.58
3973	16180	97.45	180.56	32.1	449.02	131.47
2528	4272	97.45	215.89	46.18	33.14	74.42
1634	8303	97.45	20.93	13.06	151.11	62.89
1802	11954	97.4	2891.64	258.22	1700.56	477.66
3933	20880	97.4	62.36	13.62	412.95	201.07
243	15030	97.34	48.22	9.65	125.97	37.44
3044	4199	97.32	477.77	42.96	894.41	203.85
1862	11738	97.21	132.1	20.15	264.22	67.48
1757	5091	97.21	71.09	19.58	272.18	116.48
1397	17654	97.21	38.23	27.86	359.5	164.14
3708	15601	97.18	567.4	74.34	310.4	80.03
2338	16703	97.16	2170.62	244.48	1163.94	379.03
3539	17517	97.13	167.95	19.43	335.52	99.54
3993	18867	97.13	322.35	64.98	828.56	220.75
3722	20554	97.1	663.41	112.63	261.55	134.75
992	5111	97.08	39.51	22.54	237.42	135.71

794	21821	97.05	94.17	39.59	281.87	87.79
289	22797	97.05	1494.04	200.86	810.78	206.96
3599	15202	97.02	1444.58	206.87	651.51	552.88
532	13420	97.02	186.46	30.45	380.28	98.86
2009	24213	97	735.11	214.52	1507.61	592.87
1864	21752	97	318.51	35.07	183.57	46.97
3125	20889	96.97	33.85	19.35	156.82	73.55
3154	11138	96.97	57.05	16.65	233.61	111.99
1363	21659	96.94	144.76	30.42	386.78	150.03
3806	13005	96.81	98.51	17.38	252.06	87.09
340	18001	96.81	293.31	50.76	719.36	178.53
3573	7872	96.71	128.52	24.49	294.71	81.67
2990	1466	96.68	374.22	66.04	841.48	263.89
650	16912	96.63	148.07	21.35	303.76	78.52
630	3880	96.55	32.82	2.63	67.97	23.66
26	18981	96.44	50.64	13.94	166.95	132.72
3555	25070	96.33	871.92	105.9	498.27	126.94
2804	13882	96.31	136.53	42.71	421.66	144.96
467	21909	96.23	69.72	9.68	155	58.79
3662	20765	96.23	22.18	6.6	70.2	25.36
1204	25134	96.2	100.67	36.55	500.71	280.37
4258	16725	96.09	87.76	8.91	162.37	46.07
3101	18725	95.99	78.35	14.03	215.4	84.88
2832	8106	95.99	35.1	7.44	79.42	23.97
3265	6653	95.96	310.16	41.91	602.59	143.49
1802	11953	95.96	1068.87	167.4	628.58	233.01
3339	20789	95.91	250.72	52.22	674.77	227.31
2029	20466	95.88	176.1	29.12	428.38	148.16
3802	20726	95.83	99.63	21.07	258.92	84.81
4151	1283	95.8	21.52	8.87	102.81	52.28
4191	25084	95.72	39.93	13.12	141.49	54.2
3573	24648	95.7	38.76	9.01	93.21	28.44
3843	18358	95.7	592.73	36.05	400.44	91.13
1876	18509	95.62	383.55	22.31	270.05	58.08
3705	10267	95.62	3645.08	223.59	2171.02	762.06
3276	2150	95.56	486.52	42.22	783.94	162.64
3041	19730	95.56	68.67	27.64	315.02	151.12
3008	11956	95.46	2742.37	430.4	1605.76	480.94
3129	10260	95.43	67.59	26.05	202.12	82.24
3471	1069	95.43	2578.11	424.64	1606.24	387.55
3268	11152	95.4	98.76	25.35	334.96	142.03
3035	240	95.22	46.31	9.97	114.91	41.62
637	21980	95.03	270.57	36.92	507.39	162.31
2941	5616	95.01	740.28	61.66	1258.15	379.21
3340	17516	94.79	378.53	35.86	249.5	78.84
4233	17176	94.79	2862.29	375.01	1484.97	627.22
1566	20983	94.77	1627.62	237.04	994.3	289.31
4006	18450	94.77	702.82	44.25	495.33	106.9
3203	2667	94.74	496.96	57.78	809.87	200.28
3857	16546	94.74	382.84	53.43	190.88	86.52
3978	48	94.66	345.05	56.86	670.2	189.75
3299	8182	94.66	876.38	108.47	1457.62	334.5
516	17811	94.63	20.32	5.99	68.85	30.5

634	11935	94.61	38.07	8.31	93.38	35.83
1872	23574	94.61	2344.61	223.97	1508.07	411.39
3308	14696	94.58	919.44	102.37	619.32	132.6
3025	20713	94.55	2026.55	425.01	711.93	512.37
3720	18899	94.53	20.34	5.18	45.89	13.35
3998	25250	94.5	1111.89	78.71	800.58	165.91
1234	22603	94.47	502.8	84.97	260.11	109.87
4257	23576	94.39	1870.1	83.89	1333.43	312.24
93	22918	94.34	88.88	30.44	35.75	35.23
3495	20925	94.31	1630.61	481.84	413.35	432.2
3872	17431	94.18	67.68	23.76	164.26	59.49

TABLE 5MM: HYDRAZINE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6, 24 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3223	23710	99.44	426.99	158.47	39.74	127.2
3223	23711	99.12	1638.85	605.56	175.11	252.99
952	18383	98.96	1708.97	388.87	745.76	148.48
2882	24799	98.96	1195.6	333.09	301.34	104.38
2077	22204	98.88	738.56	369.62	102.92	76.96
3563	24800	98.78	461.64	85.12	137.87	62.98
2786	21043	98.54	464.68	225.48	71.55	45.75
2106	5339	98.22	1793.4	478.09	496.04	253.26
2882	25805	98.01	132.61	31.16	50.71	18.07
3229	25567	97.66	545.53	171.91	142.84	138.08
3083	20744	96.92	1141.12	158.4	343.95	298.59
3154	11136	96.17	631.45	96.47	314.65	116.78
1372	6044	96.07	1316.46	200.37	751.26	207.08
1838	4355	95.51	133.56	78.66	408.05	114.28
334	17461	95.43	2844.1	440.98	1402.43	543.42
2600	3917	95.43	2920.63	643.23	1576.49	500
1791	15080	95.37	316.04	55.21	620.44	150.65
842	7426	95.24	477.73	89.2	292.87	74.23
715	3944	95.22	198.86	23.52	380.78	282.11
2023	23260	95.06	125.82	46.12	20.66	49.17
3223	23709	94.76	1101.41	241.84	172.11	240.14
2495	7416	94.74	819.53	98.21	1176.85	224.36
997	24251	94.34	1038.37	755.99	86.17	107.9
3563	24798	94.31	1518.71	252.85	565.68	185.28
2182	22311	94.28	511.57	285.28	179.32	61.1
1660	3498	94.07	300.42	102.94	73.75	48.71
2848	24797	94.07	515.62	308.75	64.38	43.43
4164	957	93.97	264.22	94.11	94.59	44.99
70	21042	93.91	305.23	110.33	53.99	33.18
1841	15841	93.83	199.05	70.49	58.42	27.28
1625	4155	93.81	249.66	152.06	27.55	32.84
1944	24803	93.81	3007.25	749.04	955.38	309.22
2677	2789	93.78	317.62	114.62	74.43	42.55
1130	3145	93.67	297.63	84.46	649.4	207.49
3563	24801	93.57	1207.19	290.56	446.91	135.33

2124	7642	93.54	67.34	17.76	122.77	35.28
49	11314	93.51	257.97	67.63	98.13	28.06
1070	2342	93.41	401.37	137.42	134.67	55.66
1316	4154	93.41	555.97	278.15	84.83	71.73
3186	956	93.38	720.99	156.39	298.87	124.24
706	4725	93.3	579.8	359.59	21.53	107.74
1094	2486	93.22	249.93	52.97	520.51	164.41
4024	6988	93.2	2406.98	1034.92	410.58	325.25
3800	21709	93.17	357.59	73.41	192.65	45.44
4090	357	93.12	231.23	115.1	73.5	31.36
1221	1597	93.12	609.69	268.54	115.4	119.12
1586	6697	93.06	178.7	37.6	75.11	28.96
3344	355	93.06	212.6	98.49	64.16	36.13
2508	4731	93.04	254.16	159.28	53.52	76.17
227	6295	92.96	2644.86	728.83	1083.65	420
2577	3435	92.93	184.96	25.05	287.41	58.82
1591	12825	92.88	413.85	151.26	143.86	52.1
476	21951	92.85	235.98	51.62	104.25	32.95
496	13686	92.85	103.07	42.55	43.59	16.51
2444	13785	92.85	91.31	36.25	28.32	17.53
3492	21063	92.85	136.54	43.55	45.61	21.99
3208	14997	92.82	813.66	304.23	286.03	274.33
3379	17908	92.8	341.3	138.37	71.19	114.56
3187	20943	92.77	504.3	179.19	266.22	58.79
569	11992	92.77	67.46	16.69	29.71	12.57
53	2040	92.74	774.24	317.67	220.97	113.13
1619	4789	92.74	254.77	78.25	69.47	41
2081	5953	92.74	1015.17	452.24	182.21	219.21
42	17380	92.72	501.31	97.98	259.51	56.66
3863	15642	92.64	808.95	240.2	374.02	156.59
725	4879	92.5	43.62	17.28	129.37	58.19
891	12306	92.5	2687.68	503.28	1137.44	517.33
2459	13838	92.5	305.8	60.31	157.62	44.52
2167	3418	92.42	529.23	125.97	288.59	78
2744	18783	92.34	799.23	207.78	388.28	110.02
1517	7745	92.32	303.03	102.02	126.97	55.6
2596	3885	92.26	557.57	199.34	208.63	88.95
177	8728	92.26	208.46	62.82	83.42	35.75
3271	1261	92.24	233.6	72.24	90.59	42.72
2175	22906	92.24	1786.46	657.16	555.14	414.33
3856	24778	92.21	1059.35	415.5	106.33	248.96
2498	13446	92.19	143.37	61.44	33.71	35.39
4153	1547	92.16	165.73	44.72	72.18	26.43
264	12119	92.08	360.14	104.12	138.92	67.02
4009	10018	92.08	446.94	151.08	201.19	91.27
1328	22545	91.97	609.53	157.46	241.55	110.06
1983	8634	91.97	294.7	88.11	115.8	60.8
594	11997	91.95	481.41	141.93	198.28	83.2
2632	4670	91.95	1831.85	620.15	481.05	417.75
2550	15173	91.81	785.73	283.53	350.8	158.06
840	22187	91.79	489.34	68.52	924.01	380.14
3271	1262	91.79	137.48	48.83	48.4	30.03
3559	25682	91.73	71.76	23.47	31.87	18.4

201	6135	91.71	60.23	28.77	167.14	63.23
754	11533	91.55	146.33	72.7	22.77	54.12
2386	22835	91.55	606.59	168.59	329.6	87.98
1250	21757	91.49	139.6	29.05	57.08	32.39
581	19086	91.44	307.02	105.81	121.33	68.32
3424	18727	91.41	1422.51	224.04	760.02	380.58
1425	3961	91.39	114.72	26.66	56.91	23.54
1922	12965	91.39	163.31	40.52	65.42	44.71
1022	5989	91.31	352.05	40.06	207.94	64.14
1831	17753	91.28	318.47	66.17	178.84	58.86
1028	12000	91.25	733.3	182.64	313.58	160.02
3534	21238	91.2	264.41	107.68	78.93	76.74
2891	21864	91.02	53.11	15.17	23.33	12.17
4068	15832	91.02	147.96	26.99	93.63	36.79
3617	17379	90.88	329.17	96.81	117.22	69.28
74	15011	90.88	155.88	46.39	82.42	32.9
3154	11137	90.75	791.65	145.34	412.17	156.26
3492	21062	90.14	82.55	21.3	24.77	77.95
3162	15872	90.11	910.15	170.07	496.35	167.4
3856	24779	89.87	1128.09	336.53	217.04	431.31
2983	21097	89.87	1420.72	240.02	921.49	391.32
594	11998	89.85	84.46	30.21	30.83	23.8
3801	18795	89.79	986.47	184.83	539.29	202.72
3299	8182	89.74	1203.09	47.91	1456.02	336.76
3192	24264	89.66	134.26	38.26	53.05	39.71
4164	958	89.58	807.4	316.04	296.8	130.18
3648	16163	89.55	648.04	88.56	458.64	164.64
2973	13682	89.15	288.54	74.18	153.7	61.35
3229	3430	88.84	690.29	198.65	233.82	132.92
3416	18702	88.81	164.57	74.52	58.66	22.27
444	15371	88.78	399.55	39.17	276.85	80.39
4143	25608	88.76	101.93	59.54	26.16	15.79
92	7947	88.46	131.98	31.57	80.52	36.3
3556	22282	88.44	147.9	29.13	93.96	29.46
1220	15292	88.38	358.65	103.05	161.56	63.44
2934	1549	88.38	410.81	141.11	184.09	57.88
3856	25321	88.2	798.05	338.01	64.55	167.83
3651	1920	88.17	790.83	133.55	440.27	270.56
4285	1818	88.14	1238.63	134.19	2116.18	830.64
3568	18728	88.04	141.59	26.39	98.85	24.21
3227	16982	87.99	987.99	320.68	332.79	475.14
4087	40	87.85	124.51	70.07	364.67	185.93
439	15313	87.8	99.62	50.66	27.35	36.67
610	14465	87.64	108.1	89.05	52.01	35.18
3248	15621	87.53	663.06	152.66	368.33	86.66
4212	1959	87.45	1193.48	118.42	2992.83	1816.78
3981	14822	87.37	293.24	88.39	140.34	51.94
4088	111	87.29	1115.66	277.57	3169.68	2035.12
394	21707	87.27	154.97	77.69	40.63	51.97
4091	2010	87.24	1441.28	152.66	2692.81	1261.9
3626	4234	87.21	1161.14	205.78	613.08	296.43
511	22314	87.13	300.82	75.74	141.88	48.44
2803	5545	87.11	792.71	164.59	1493.88	573.16

4286	3831	87.08	58.81	13.55	34.3	24.63
104	13930	87.03	252.18	77.11	147.06	105.72
4047	14632	87.03	1014.2	130.21	1528.57	1137.28
3196	23544	87	1094.48	73.24	1407.07	333.8
3643	4010	86.98	1382.63	273.1	3098.05	2058.69
3581	15683	86.87	121.35	56.18	38.42	29.66
3080	6477	86.84	1694.29	106.3	2267.84	867.07
4063	8210	86.84	338.41	120.93	125.65	85.94
2953	108	86.76	1105.33	125.21	2181.99	1123.63
25	16942	86.76	886.77	126.9	1437.03	498.61
3534	21239	86.74	765.8	261.3	322.09	178.98
581	19085	86.68	210.93	69.97	86.09	45.38
912	1798	86.68	1484.39	174.76	2804.34	1336.11
3401	23491	86.66	67.14	20.87	140.44	66.74
485	22860	86.63	118.74	38.34	54.3	23.7
3473	8211	86.52	1188.67	125.17	2378.65	1113.31
3564	1853	86.52	1338.93	193.22	2982.14	1637.61
3294	2968	86.44	1151.48	133.67	2449.68	1262.65
3643	4012	86.44	1414	214.2	2443.23	1160.81
3161	17306	86.36	1382.22	224.07	2606.3	1273.84
1836	14981	86.34	1141.57	161.43	3446.36	2312.72

TABLE 5NN: INDOMETHACIN				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 48, 72 hrs				Document No: 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3236	20864	99.76	22.07	8.1	473.18	380.52
3515	17500	99.76	174.03	33.42	28.03	42.3
3377	15503	99.71	707.2	157.43	61.75	41.85
3634	635	99.55	356.02	104.81	1579.4	481.32
4098	17281	99.55	77.18	25.65	630.46	189.09
1767	5687	99.52	45.22	12.45	224.58	66.95
3634	25525	99.5	291.2	107.36	1352.98	361.99
3377	15504	99.47	863.83	283.47	41.6	61.95
2703	21414	99.42	1352.84	131.93	114.58	156.26
3634	634	99.39	432.57	121.45	1538.18	416.47
3057	22514	99.39	744.68	197.84	50.41	64.45
364	6431	99.39	1733.91	415.59	180.39	214.32
2472	2088	99.34	174.83	69.74	34.94	23.17
605	16366	99.34	93.95	42.5	800.53	302.18
235	6200	99.34	1517.47	437.52	67.7	98.35
1219	2012	99.34	433.93	109.02	64.15	36.03
68	14504	99.34	1218.06	151.51	139.14	164.06
605	16367	99.31	164.6	117.46	1422.75	539.55
534	19469	99.31	149.18	32.53	478.15	112.46
764	19444	99.31	562.59	270.42	35.95	70.52
3057	22512	99.28	660.51	290.11	28.4	42.93
560	2013	99.28	186.78	42.25	22.86	21.27
1912	22522	99.23	81.82	24.3	249.27	62.78
1551	4892	99.2	2302.4	1160.31	132.97	256.35
827	23005	99.2	620.21	76.08	122.59	80.13



2610	14081	99.2	1288.65	640.74	38.65	86.88
1821	6541	99.18	412.63	39.8	215.12	104.04
3912	6143	99.18	122.62	42.4	823.43	449.41
332	15207	99.18	303.17	40.71	74.03	39.9
4207	1893	99.18	266.77	71.14	31.12	27.82
541	8317	99.18	110.89	21.93	637.6	220.45
1697	9583	99.15	416.77	51.01	60.09	97.66
3953	15029	99.15	176.23	42	1588.92	516.45
1883	8273	99.15	388.63	151.29	42.51	25.01
276	21285	99.12	1018.03	350.87	98.52	156.99
739	4933	99.1	418.95	103.33	2049.11	736.07
3112	24589	99.07	529	248.49	54.24	44.27
4120	155	99.07	180.93	33.27	41.29	25.2
327	18580	99.07	1267.38	310.49	221.92	126.09
1268	3121	99.02	171.84	59.51	821.21	247.16
3490	12606	98.99	161.66	41.16	742.66	237.27
702	18890	98.96	162.68	53.68	752.65	355.55
1956	17369	98.96	430.65	73.83	119.15	44.67
3643	4011	98.94	509.46	121.38	1823.51	676.9
539	14330	98.94	942.7	237.45	236	118.54
1482	7384	98.91	1780.22	300.89	686.94	245.66
2055	13361	98.91	349.1	47.62	182.6	37.74
427	15116	98.91	257.21	62.72	85.81	27.62
3687	14185	98.91	1185.42	257.99	313.52	177.82
2086	11426	98.91	350.88	45.99	121.21	51.34
3162	15872	98.91	98.44	36.44	500.46	168.63
1672	7743	98.91	345.67	60.84	110.57	52.5
130	24237	98.91	912.03	228.83	184.87	96.96
2782	14840	98.89	236.7	44.89	72.02	37.34
3306	9124	98.86	793.91	57.23	375.63	97.89
4004	17684	98.86	92.04	17.94	322.08	87.9
2000	10984	98.86	129.88	64.62	1060.09	302.49
2477	12551	98.86	50.4	10.88	233.66	77.71
3156	17541	98.83	448.67	101.47	1635.58	637.34
941	22690	98.83	97.78	59.37	653.38	276.46
3000	14881	98.83	415.82	120.83	1707.93	632.16
4246	556	98.83	326.23	26.19	669.91	127.65
1702	9079	98.83	788.75	135.81	310.96	88.92
687	4636	98.83	435.3	83.64	73.38	124.83
3965	23321	98.83	70.84	11.27	238.71	64.44
3953	16993	98.83	181.67	44.16	1061.5	291.65
3309	20529	98.83	1248.68	268.72	127.3	176.94
3420	20816	98.81	771.64	143.25	245.66	388.61
958	17499	98.81	148.93	29.77	25.73	89.53
618	13332	98.81	55.78	8.2	229.78	83.4
123	14600	98.81	535.82	168.97	115.13	47.39
3153	373	98.78	95.13	34.96	475.37	164.19
2285	6189	98.78	180.55	93.95	3941.06	2199.2
722	22897	98.75	171.35	48.54	42.52	23.63
2963	43	98.75	142.99	32.74	436.41	130.66
1776	5421	98.75	521.6	96.83	200.28	71.9
2926	21014	98.75	187.37	72.97	1046.08	348.11
1068	2320	98.75	57.11	20.6	305.95	108.38

1911	4914	98.75	72.31	29.34	482.29	149.47
447	15888	98.73	393.33	60.16	165.93	140.34
1172	3744	98.73	515.5	85.21	189.2	149.68
957	21947	98.73	132.87	26.87	396.84	97.07
1127	3112	98.7	476.11	98.4	199.28	62.44
3277	15517	98.7	115.84	32.38	32.43	15.57
1601	10055	98.65	94.7	9.27	34.76	28.72
1546	19121	98.65	130.93	38.98	24.05	21.62
2177	19004	98.65	454.67	78.8	147.74	65.62
1465	21074	98.65	920.52	66.01	445.27	138.25
4050	6366	98.65	796.93	120.52	273.22	98.99
4144	699	98.65	1188.89	92.19	609.29	154.22
1233	1995	98.62	114.72	164.94	1945.29	964.02
2644	4026	98.62	925.46	134.15	371.92	127.61
1880	2484	98.59	21.07	11.5	357.2	222.64
852	12277	98.59	238.39	55.81	32.61	39.1
338	13523	98.59	542.26	77.21	251.51	74.05
2654	6532	98.59	312.02	38.89	140.36	42.5
3185	2555	98.59	543.06	103.8	125.65	84.95
507	20523	98.59	397.31	131.77	47.75	64.63
3838	20869	98.57	255.12	72.98	59.6	47.42
3383	21443	98.57	805.71	152.23	325.49	85.92
3866	16809	98.57	165.52	38.18	29.27	24.29
3269	18453	98.57	84.64	17.34	644.76	264.64
3745	5175	98.54	223.53	69.32	40.02	63.42
3057	22515	98.54	1444.32	389.76	124.13	387.74
3133	20354	98.51	371.97	55.85	51.01	55.74
3951	1827	98.49	72.31	10.06	20.56	18.93
3838	20868	98.49	189.92	59.99	41.52	34.83
648	19411	98.49	178.07	42.51	33.37	19.72
3618	15185	98.49	218.02	62.85	60.41	100.75
493	17693	98.46	55.17	11.57	211.14	128.01
4179	9842	98.46	640.71	77.24	1606.87	410.98
3387	10015	98.43	319.83	48.32	138.08	50.73
3137	17257	98.43	191.55	56.09	40.38	31.83
2857	2005	98.43	86.81	18.58	20.19	12.65
5	4439	98.43	582.49	135.61	221.08	57.4
2995	2505	98.41	162.62	66.27	755.53	189.25
2797	10071	98.38	58.58	6.19	30.71	24.21
3576	17377	98.38	247.39	32.73	73.21	49.04
3482	8597	98.35	250.46	49.87	102.41	31.77
2118	20783	98.35	236.5	77.37	51.51	38.96
3387	10016	98.33	271.85	40.63	91.73	47.86
3567	1221	98.33	792.81	211.28	29.91	112.09
3642	16048	98.33	376.11	63.21	172.15	51.53
3064	7427	98.33	154.07	30.86	32.24	29.86
3021	9223	98.3	328.74	141.18	88.51	39.55
2320	1572	98.3	163.83	15.75	72.94	32.13
3334	14003	98.3	31.78	9.08	157.09	102.34
4127	18038	98.3	64.36	15.87	249.99	90.04
3137	17258	98.27	247.13	55.44	104.88	31.2
114	12797	98.27	78.98	28.38	20.5	12.63
3652	24219	98.22	1060.73	108.75	377.99	183.97

3072	16519	98.22	1274.29	222.32	366.94	216.58
343	17382	98.22	131.83	14.87	274.82	87.76
4116	17480	98.22	163.32	52.34	68.15	33.41
436	16416	98.2	271.85	91.29	108.09	60.15
4186	1700	98.17	301.86	72.09	83.5	41.83
2922	21012	98.14	495.25	96.3	1522.52	566.27
4158	794	98.14	145.59	44.27	804.82	225.28
4235	21657	98.12	1345.86	71.6	749.74	292.41
3250	18988	98.09	30.38	13.56	223.34	129.63
3933	20879	98.09	43.74	30.64	625.47	269.64
3965	23322	98.06	175.17	55.47	557.6	145.02
3214	13283	98.01	183.6	63.4	902.59	271.24
2967	13499	97.98	157.44	31.79	50.5	36.82
2838	14882	97.96	354.04	130.14	1304.22	413.04
1287	2853	97.96	129.41	20.44	57.52	45.82
3271	1262	97.93	173.78	34.84	48.39	29.8
1228	23044	97.93	334.36	75.68	152.38	55.27
3306	9125	97.9	1110.1	130.53	634.63	135.06
2251	14384	97.9	512.02	67.81	246.63	62.43
4120	154	97.9	418.22	115.55	165.54	59.93
3274	10887	97.9	29.6	7.88	106.33	32.62
1928	1841	97.88	275.92	85.51	46.56	50.38
2964	1795	97.85	80.33	33.43	535.15	374.1

TABLE 500: INDOMETHACIN				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 48, 72 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2472	2088	99.34	174.83	69.74	34.94	23.17
1912	22522	99.23	81.82	24.3	249.27	62.78
541	8317	99.18	110.89	21.93	637.6	220.45
332	15207	99.18	303.17	40.71	74.03	39.9
3912	6143	99.18	122.62	42.4	823.43	449.41
1821	6541	99.18	412.63	39.8	215.12	104.04
1697	9583	99.15	416.77	51.01	60.09	97.66
1268	3121	99.02	171.84	59.51	821.21	247.16
3490	12606	98.99	161.66	41.16	742.66	237.27
3643	4011	98.94	509.46	121.38	1823.51	676.9
130	24237	98.91	912.03	228.83	184.87	96.96
3162	15872	98.91	98.44	36.44	500.46	168.63
2086	11426	98.91	350.88	45.99	121.21	51.34
2055	13361	98.91	349.1	47.62	182.6	37.74
1482	7384	98.91	1780.22	300.89	686.94	245.66
2782	14840	98.89	236.7	44.89	72.02	37.34
2477	12551	98.86	50.4	10.88	233.66	77.71
4004	17684	98.86	92.04	17.94	322.08	87.9
3306	9124	98.86	793.91	57.23	375.63	97.89
3953	16993	98.83	181.67	44.16	1061.5	291.65
3965	23321	98.83	70.84	11.27	238.71	64.44
687	4636	98.83	435.3	83.64	73.38	124.83
4246	556	98.83	326.23	26.19	669.91	127.65

3000	14881	98.83	415.82	120.83	1707.93	632.16
941	22690	98.83	97.78	59.37	653.38	276.46
3156	17541	98.83	448.67	101.47	1635.58	637.34
123	14600	98.81	535.82	168.97	115.13	47.39
618	13332	98.81	55.78	8.2	229.78	83.4
958	17499	98.81	148.93	29.77	25.73	89.53
3420	20816	98.81	771.64	143.25	245.66	388.61
2285	6189	98.78	180.55	93.95	3941.06	2199.2
1911	4914	98.75	72.31	29.34	482.29	149.47
1068	2320	98.75	57.11	20.6	305.95	108.38
1776	5421	98.75	521.6	96.83	200.28	71.9
957	21947	98.73	132.87	26.87	396.84	97.07
1172	3744	98.73	515.5	85.21	189.2	149.68
447	15888	98.73	393.33	60.16	165.93	140.34
3277	15517	98.7	115.84	32.38	32.43	15.57
1127	3112	98.7	476.11	98.4	199.28	62.44
4050	6366	98.65	796.93	120.52	273.22	98.99
1465	21074	98.65	920.52	66.01	445.27	138.25
2177	19004	98.65	454.67	78.8	147.74	65.62
1601	10055	98.65	94.7	9.27	34.76	28.72
2644	4026	98.62	925.46	134.15	371.92	127.61
1233	1995	98.62	114.72	164.94	1945.29	964.02
3185	2555	98.59	543.06	103.8	125.65	84.95
2654	6532	98.59	312.02	38.89	140.36	42.5
338	13523	98.59	542.26	77.21	251.51	74.05
1880	2484	98.59	21.07	11.5	357.2	222.64
3269	18453	98.57	84.64	17.34	644.76	264.64
3866	16809	98.57	165.52	38.18	29.27	24.29
3838	20869	98.57	255.12	72.98	59.6	47.42
3057	22515	98.54	1444.32	389.76	124.13	387.74
3745	5175	98.54	223.53	69.32	40.02	63.42
286	19502	98.54	146.75	66.72	20.91	19.92
322	23243	98.54	353.21	81.79	1801.92	781.55
3133	20354	98.51	371.97	55.85	51.01	55.74
830	6615	98.51	86.66	37.59	439.43	127.94
1840	17168	98.51	392.82	38.51	171.34	66.57
3838	20868	98.49	189.92	59.99	41.52	34.83
3951	1827	98.49	72.31	10.06	20.56	18.93
3618	15185	98.49	218.02	62.85	60.41	100.75
4050	6365	98.46	239.58	39.19	64.3	44.18
1404	21796	98.46	262.23	36.09	104.09	57.2
4179	9842	98.46	640.71	77.24	1606.87	410.98
2569	11720	98.46	1655.11	483.2	741.19	262.16
493	17693	98.46	55.17	11.57	211.14	128.01
3137	17257	98.43	191.55	56.09	40.38	31.83
5	4439	98.43	582.49	135.61	221.08	57.4
3387	10015	98.43	319.83	48.32	138.08	50.73
2857	2005	98.43	86.81	18.58	20.19	12.65
1723	9191	98.43	66.27	45.82	694.11	284.39
750	18891	98.43	72.67	19.78	302.28	168.85
244	6614	98.41	142.5	67.39	908.9	267.48
2995	2505	98.41	162.62	66.27	755.53	189.25
1162	3362	98.41	246.82	39.49	91	35.51

1504	14492	98.38	678.69	178.71	249.98	102.11
3576	17377	98.38	247.39	32.73	73.21	49.04
1449	7225	98.38	681.39	93.08	341.99	92.47
2797	10071	98.38	58.58	6.19	30.71	24.21
222	15117	98.35	70.78	12.63	20.71	12.16
1077	2383	98.35	45.87	6.4	149.36	56.17
2118	20783	98.35	236.5	77.37	51.51	38.96
3482	8597	98.35	250.46	49.87	102.41	31.77
3567	1221	98.33	792.81	211.28	29.91	112.09
3064	7427	98.33	154.07	30.86	32.24	29.86
2714	7604	98.33	853.94	176.21	331.07	110.76
3387	10016	98.33	271.85	40.63	91.73	47.86
3776	23558	98.33	76.35	29.41	331.95	82.23
1499	2310	98.33	598.61	180.42	89.35	96.91
3791	9267	98.33	546.61	128.35	1732.87	482.93
712	17368	98.33	376.5	82.63	135.24	48.7
3642	16048	98.33	376.11	63.21	172.15	51.53
2320	1572	98.3	163.83	15.75	72.94	32.13
4127	18038	98.3	64.36	15.87	249.99	90.04
1773	7868	98.3	86.78	8.41	274.28	104.28
923	1707	98.3	1662.8	198.9	887.31	209.03
3021	9223	98.3	328.74	141.18	88.51	39.55
1009	23762	98.3	396.49	66.78	194	53.64
3334	14003	98.3	31.78	9.08	157.09	102.34
2303	13580	98.3	104.63	27.21	29.78	19.57
114	12797	98.27	78.98	28.38	20.5	12.63
3652	24219	98.22	1060.73	108.75	377.99	183.97
343	17382	98.22	131.83	14.87	274.82	87.76
4116	17480	98.22	163.32	52.34	68.15	33.41
436	16416	98.2	271.85	91.29	108.09	60.15
2922	21012	98.14	495.25	96.3	1522.52	566.27
4158	794	98.14	145.59	44.27	804.82	225.28
4235	21657	98.12	1345.86	71.6	749.74	292.41
3250	18988	98.09	30.38	13.56	223.34	129.63
3933	20879	98.09	43.74	30.64	625.47	269.64
3965	23322	98.06	175.17	55.47	557.6	145.02
3214	13283	98.01	183.6	63.4	902.59	271.24
2967	13499	97.98	157.44	31.79	50.5	36.82
2838	14882	97.96	354.04	130.14	1304.22	413.04
1287	2853	97.96	129.41	20.44	57.52	45.82
3271	1262	97.93	173.78	34.84	48.39	29.8
1228	23044	97.93	334.36	75.68	152.38	55.27
3306	9125	97.9	1110.1	130.53	634.63	135.06
2251	14384	97.9	512.02	67.81	246.63	62.43
3274	10887	97.9	29.6	7.88	106.33	32.62
1928	1841	97.88	275.92	85.51	46.56	50.38
2964	1795	97.85	80.33	33.43	535.15	374.1
3269	18452	97.82	193.43	54.35	1067.34	455.74
69	11423	97.82	98.61	17.64	33.73	15.52
435	20701	97.77	1801.6	178.47	879.28	390.31
2877	135	97.72	68.79	24.42	307.58	109.35
3653	5497	97.69	185.92	67.22	644.28	186.48
3871	21066	97.69	122.51	17.34	59.2	18.89

576	11203	97.69	116.74	27.79	42.14	17.41
4128	18036	97.69	71.26	19.65	277.73	93.62
3683	13187	97.66	58.23	8.34	30.34	73.8
2994	19255	97.64	657.51	209.95	202.15	96.67
3649	9621	97.64	555.66	53.95	280.53	80.02
3140	7784	97.61	49.96	9.99	121.96	50.77
3085	16080	97.56	230.04	82.1	70.93	143.01
3027	70	97.56	157.89	39.95	473.92	142.37
588	12118	97.56	767.36	146.25	267.5	189.09
4241	15387	97.53	799.7	43.68	519.72	120.18
2878	25313	97.51	276.33	53.95	99.09	60.63
3364	1173	97.51	97.49	103.47	1578.26	696.88
3995	21916	97.48	986.81	199.02	557.17	123.31
2847	25257	97.45	318.98	90.76	98.49	66.84
3233	21396	97.4	231.43	17.78	468.82	136.78
422	309	97.35	1105.54	113.43	693.57	136.64
2994	19256	97.32	948.91	293.55	363.33	135.62
83	23344	97.32	810.95	140.95	374.33	124.15
3390	24883	97.32	41.09	17.41	178.51	59.21
434	16327	97.29	230.86	47.89	544.93	157.54
3751	14934	97.27	107.22	10.18	64.11	15.46
3995	21915	97.27	950.07	99.71	563.49	131.44
2866	1531	97.24	484.31	52	1056.99	326.1
3710	16726	97.16	344.09	74.54	793.59	195.63
3075	23872	97.11	254.62	73.06	73.96	154.85
3082	4574	97.08	264.2	83.17	619.9	136.28
4283	25777	97.08	347.17	36.34	686.6	244.17

TABLE 5PP: INDOMETHACIN				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2725	14887	97.98	39.7	10.19	295.44	248.43
1146	3452	97.56	113.34	22.9	31.73	32.78
1839	2961	95.96	93.75	21.84	41.04	20.13
1785	2042	95.41	84.01	6.11	34.19	44.74
415	15884	95.17	195.5	29.21	92.97	61.83
2711	15836	94.98	112.13	18.73	245.29	84.07
2382	18465	94.66	551.62	71.99	274.96	190.83
2749	23855	94.53	318.56	60.23	159.85	69.43
3700	22321	94.5	157.21	58.08	77.02	109.56
618	13332	94.32	86.82	18.8	229.73	83.6
3791	9267	94.18	771.45	326.64	1732.42	484.27
2601	23570	93.95	129.06	9.82	183.05	35.35
1890	16885	93.95	799.59	198.76	1621.44	471.39
579	7906	93.95	61.43	20.59	26.01	14.5
2369	23989	93.95	1646.31	249.73	946.39	363.32
225	6723	93.28	91.03	21.51	192.69	74.03
150	19926	93.02	54.49	4.59	81.98	19.95
1468	15786	92.83	173.8	33.73	309.1	79.66
4120	154	92.7	255.9	32.19	166.18	62.21

3185	2555	92.43	432.56	189.51	125.95	86.01
3567	1221	92.43	640.55	302.2	30.23	114.19
2644	4026	92.35	805.71	279.58	372.2	128.18
2569	11720	92.24	1342.48	321.05	742.2	266.49
953	22770	92.17	354.66	44.24	250.18	113.51
2053	19884	91.95	2267.57	197.03	5274.75	2647.08
2649	10972	91.85	70.43	11.08	130.69	47.35
1646	10270	91.77	52.14	22.31	140.09	63.1
3183	19110	91.69	213.08	39.51	101.78	104.5
3522	15697	91.69	62.5	8.65	38.53	14.72
2654	6532	91.66	254.13	48.32	140.55	43.2
2958	25370	91.66	69.57	14.55	156.8	91.86
1739	6548	91.66	135.96	20.78	77.33	37.88
1190	16821	91.37	746.55	138.47	536.52	147.17
2412	18491	91.29	624.61	129.09	1079.1	289.36
1952	7122	91.26	737.95	142.56	404.1	104.37
1299	22151	91.24	70.89	21.33	168.59	107.83
2593	12463	91.23	598.4	108.58	376.66	73.83
3817	13368	91.07	139.27	27.57	62.55	26.25
1174	3773	91.07	251.34	75.31	67.16	59.88
263	19412	91.05	761.27	170.08	385.98	115.8
4022	23251	91.05	108.25	12.2	158.32	41.92
447	15887	90.91	522.54	139.7	233.16	152.99
2229	21740	90.91	1308.85	280.77	736.05	298.99
3866	16809	90.91	93.42	30.67	29.54	25.52
332	15207	90.86	191.4	61.75	74.45	41.71
1781	2295	90.84	36.37	7.06	69.54	25.22
3941	17634	90.65	399.11	122.21	165.52	71.51
3879	15125	90.6	1063.71	71.59	1651.89	623.73
1708	5695	90.57	170.31	38.37	329.97	129.54
3077	21836	90.55	46.26	5.61	28.18	19.71
2282	5275	90.55	71.43	14.64	30.71	26.47
2664	17664	90.54	684.79	158.37	279.23	160.38
217	6275	90.52	279.74	61.31	615.47	256.24
2060	13364	90.47	192.17	28.8	137.71	38.8
887	12301	90.41	301.26	85.19	137.25	65.84
2331	17358	90.39	960.28	129.76	1568.33	445.19
2574	15582	90.33	2340.09	398.99	5736.61	2867.39
4235	21657	90.33	1127.57	153.2	750.47	293.76
1900	4013	90.31	21.68	2.85	35.7	15.02
2629	16709	90.28	1273.44	110.88	1717.41	371.74
69	11423	90.25	76.8	21.46	33.79	15.78
373	15157	90.23	88.11	10.03	58.01	33.14
3286	24107	90.23	120.6	12.22	85.02	35.09
4084	13520	90.22	283.71	99.61	109.9	86.8
3197	11904	90.2	155.69	29.35	60.13	43.39
172	6226	90.14	62.86	21.39	26.61	22.45
3132	5318	90.12	1323.21	158.36	3106.28	1757.54
2033	8213	90.1	1735.99	218.93	3451.07	1392.82
1670	8809	90.1	49.22	11.1	160.81	93.56
3830	19827	90.07	877.79	131	1856.46	785.41
1335	22619	90.06	614.37	108.48	299.24	114.04
855	2655	90.04	104.17	39.66	287.12	169.55

2024	24592	90.04	146.05	28.55	80.32	78.39
1977	14259	90.02	45.58	9.34	98.74	65.79
1932	9595	90.01	345.94	71.74	179.72	56.98
1970	23187	89.94	204.86	21.75	279.39	52.47
1879	3504	89.93	449.05	77.53	284.63	83.19
1009	23762	89.86	248.17	14.01	194.6	55.26
125	15027	89.85	186.46	29.72	92.26	45.76
464	5384	89.8	121.51	52.73	27.06	61.34
4154	870	89.8	33.66	6.67	20.03	9.87
3380	21109	89.78	46.38	4.56	34.39	11.97
2364	17224	89.72	1608.96	229.99	1116.94	201.64
3454	762	89.72	870	145.71	1608.19	598.82
3085	16080	89.69	162.74	62.96	71.17	143.31
1085	2430	89.64	83.63	27.36	23.61	28.09
2054	11585	89.62	219.08	35.83	368.85	109.07
2051	18744	89.59	108.26	17.72	74.93	35.44
4057	16223	89.56	496.56	77.38	298.81	134.64
3997	17573	89.54	42.84	26.35	169.74	104.7
770	20063	89.51	400.95	44.11	268.23	100.24
2521	14303	89.45	423.75	110.16	235.41	77.97
1460	3260	89.45	337.33	68.65	174.99	85.77
2380	9821	89.4	128.56	18.4	70.89	27.55
2659	21156	89.38	1694.45	253.35	5104.07	2988.91
2349	19427	89.38	1497.71	168.52	3995.1	2472.79
1877	15019	89.37	141.56	32.74	89.22	24.53
1087	2444	89.3	70.37	24.38	167.61	72.74
2614	15107	89.3	954.97	234.78	3953.6	2644.08
3760	17252	89.25	359.12	58.17	686.47	283.78
4119	21488	89.17	48.65	6.76	31.63	20.56
3156	17541	89.14	717.33	403.54	1634.93	638.53
3196	20926	89.14	843.85	68.19	583.84	230.57
469	18582	89.11	338.73	47.29	231.94	72.25
4133	772	89.08	67.35	8.92	36.93	17.84
435	20701	88.97	1467.91	258	880.38	392.7
3441	20114	88.95	62.4	11.56	26.93	26.68
2884	1641	88.36	200.93	33.99	110.21	51.87
4209	23987	88.34	296.73	83.04	169.61	68.69
2320	1572	88.24	112.55	18.42	73.14	32.56
2866	1531	88.16	625.65	149.13	1056.62	326.83
4030	20698	88.12	1446.49	286.91	896.97	447.53
3805	1178	88.1	58.11	5.17	50.19	27.83
378	11827	87.97	70.63	16.03	38.44	17.08
4179	9842	87.89	1130.01	162.74	1605.05	414.46
3021	9223	87.86	150.77	24.16	89.24	43.16
4041	10544	87.68	224.42	25.28	179.63	71.62
3616	15489	87.65	112.91	15.25	76.3	23.7
4137	746	87.63	50.29	9.53	125.54	81.83
4132	2685	87.55	136.57	20.41	91.28	35.36
3718	17805	87.33	1054.14	70.03	1272.09	281.89
4135	738	87.33	36.13	2.63	29.62	8.52
3800	21709	87.25	257.74	20.15	193.3	47.2
3535	354	87.25	144.81	57.59	81.93	152.75
4058	25064	87.25	882.19	57.21	1189.57	357.66



448	15933	87.2	266.44	72.66	160.35	59.82
587	4527	87.2	56.05	12.81	33.42	14.26
3535	353	87.17	137.1	61.51	59.78	123.83
3069	24433	87.15	35.24	12.16	24.32	23.98
3357	5619	87.14	850.97	225.98	428.64	222.2
2855	16610	86.99	218.43	47.05	147.57	75.68
2967	13499	86.93	96.28	26.93	50.74	37.36
3699	10167	86.9	220.12	37.35	139.64	72.6
3816	15269	86.8	287.24	60.09	184.06	53.15
2905	21011	86.67	1194.24	194.08	2366.94	1065.55
2950	4144	86.64	717.92	92.42	508.9	115.6
2848	24797	86.56	95.97	13.67	66.87	59.74
1228	23044	86.53	224.45	41.23	152.81	56.45
4268	25747	86.48	619.67	148.69	425.22	233.87
648	19411	86.45	116.37	55.34	33.59	20.94
2964	1795	86.43	177.52	84.07	534.93	374.52
3133	20354	86.37	196.63	109.23	51.67	58.35
2982	17883	86.19	30.51	4.4	22.39	15.54
3402	23226	86.14	80.45	9.27	56.46	29.88
1928	1841	86.05	184.56	77.88	46.87	51.7
1737	1501	85.97	730.3	133.89	501.17	251.44
3596	6348	85.92	82.4	9.27	53.19	20.52
600	17589	85.91	125.36	57.82	33.16	33.5
3331	12350	85.89	60.45	13.61	30.98	18
3800	21708	85.89	105.85	18.82	62.13	28.38
3746	13164	85.85	839.45	347.66	3807.98	2467.79
3706	10947	85.85	1218.61	123.68	1887.82	948.43
2353	16081	85.78	348.37	129.58	127.54	197.64
4179	9841	85.74	1666.47	153.26	2171.24	563.9
3644	18389	85.73	68.71	18.38	21.63	29.58
56	8768	85.73	38.98	6.62	21.76	12.46
417	15927	85.71	124.29	15.06	76.99	31.66
427	15116	85.62	173.73	63.58	86.11	29.13
648	19410	85.6	135.97	22.17	88.01	30.33
3654	15803	85.55	42.58	3.57	40.9	24.49
2998	17274	85.55	38.69	7.57	58.14	24.75
3544	4504	85.55	69.98	23.19	26.59	81.74
3137	17257	85.49	116.78	48.39	40.66	32.93
4161	25629	85.48	72.13	10.78	50.46	28.23
3695	15759	85.44	323.28	83.9	171.95	93.18
3512	24345	85.4	445.87	62.58	264.39	301.31
604	4531	85.34	46.33	2.84	44.36	14.53
3778	16125	85.33	216.58	76.48	93.26	38.27
3827	25625	85.26	71.68	13.54	34.62	27.17
3258	24596	85.21	91.29	8.08	77.52	44.19
4120	155	85.2	90.57	31.89	41.65	26.57
3853	19942	85.18	207.44	30.19	144.69	54.02
3060	7063	85.18	126.5	27.91	92.67	98.54
1206	16304	85.16	1018.71	176.88	1499.26	506.72

TABLE 5QQ. INDOMETHACIN

Attorney Docket 44921-5038-01-WO

Timepoint(s): 6, 24 hrs					Document No. 1935828.1	
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2725	14887	97.98	39.7	10.19	295.44	248.43
1146	3452	97.56	113.34	22.9	31.73	32.78
1839	2961	95.96	93.75	21.84	41.04	20.13
2711	15836	94.98	112.13	18.73	245.29	84.07
2749	23855	94.53	318.56	60.23	159.85	69.43
579	7906	93.95	61.43	20.59	26.01	14.5
2601	23570	93.95	129.06	9.82	183.05	35.35
225	6723	93.28	91.03	21.51	192.69	74.03
150	19926	93.02	54.49	4.59	81.98	19.95
953	22770	92.17	354.66	44.24	250.18	113.51
2053	19884	91.95	2267.57	197.03	5274.75	2647.08
2649	10972	91.85	70.43	11.08	130.69	47.35
1646	10270	91.77	52.14	22.31	140.09	63.1
3522	15697	91.69	62.5	8.65	38.53	14.72
3183	19110	91.69	213.08	39.51	101.78	104.5
1739	6548	91.66	135.96	20.78	77.33	37.88
1190	16821	91.37	746.55	138.47	536.52	147.17
2412	18491	91.29	624.61	129.09	1079.1	289.36
1174	3773	91.07	251.34	75.31	67.16	59.88
3817	13368	91.07	139.27	27.57	62.55	26.25
4022	23251	91.05	108.25	12.2	158.32	41.92
447	15887	90.91	522.54	139.7	233.16	152.99
1781	2295	90.84	36.37	7.06	69.54	25.22
3941	17634	90.65	399.11	122.21	165.52	71.51
3879	15125	90.6	1063.71	71.59	1651.89	623.73
1708	5695	90.57	170.31	38.37	329.97	129.54
2282	5275	90.55	71.43	14.64	30.71	26.47
3077	21836	90.55	46.26	5.61	28.18	19.71
217	6275	90.52	279.74	61.31	615.47	256.24
2060	13364	90.47	192.17	28.8	137.71	38.8
887	12301	90.41	301.26	85.19	137.25	65.84
2331	17358	90.39	960.28	129.76	1568.33	445.19
4235	21657	90.33	1127.57	153.2	750.47	293.76
2574	15582	90.33	2340.09	398.99	5736.61	2867.39
1900	4013	90.31	21.68	2.85	35.7	15.02
2629	16709	90.28	1273.44	110.88	1717.41	371.74
3286	24107	90.23	120.6	12.22	85.02	35.09
373	15157	90.23	88.11	10.03	58.01	33.14
4084	13520	90.22	283.71	99.61	109.9	86.8
172	6226	90.14	62.86	21.39	26.61	22.45
3132	5318	90.12	1323.21	158.36	3106.28	1757.54
1670	8809	90.1	49.22	11.1	160.81	93.56
2033	8213	90.1	1735.99	218.93	3451.07	1392.82
3830	19827	90.07	877.79	131	1856.46	785.41
2024	24592	90.04	146.05	28.55	80.32	78.39
1977	14259	90.02	45.58	9.34	98.74	65.79
1970	23187	89.94	204.86	21.75	279.39	52.47
1879	3504	89.93	449.05	77.53	284.63	83.19
1009	23762	89.86	248.17	14.01	194.6	55.26
125	15027	89.85	186.46	29.72	92.26	45.76

4154	870	89.8	33.66	6.67	20.03	9.87
464	5384	89.8	121.51	52.73	27.06	61.34
3380	21109	89.78	46.38	4.56	34.39	11.97
3454	762	89.72	870	145.71	1608.19	598.82
2364	17224	89.72	1608.96	229.99	1116.94	201.64
1085	2430	89.64	83.63	27.36	23.61	28.09
2054	11585	89.62	219.08	35.83	368.85	109.07
2051	18744	89.59	108.26	17.72	74.93	35.44
4057	16223	89.56	496.56	77.38	298.81	134.64
3997	17573	89.54	42.84	26.35	169.74	104.7
770	20063	89.51	400.95	44.11	268.23	100.24
1460	3260	89.45	337.33	68.65	174.99	85.77
2521	14303	89.45	423.75	110.16	235.41	77.97
2380	9821	89.4	128.56	18.4	70.89	27.55
2349	19427	89.38	1497.71	168.52	3995.1	2472.79
2659	21156	89.38	1694.45	253.35	5104.07	2988.91
1877	15019	89.37	141.56	32.74	89.22	24.53
2614	15107	89.3	954.97	234.78	3953.6	2644.08
1087	2444	89.3	70.37	24.38	167.61	72.74
3760	17252	89.25	359.12	58.17	686.47	283.78
2524	3019	89.25	49.4	8.74	98.81	53.07
2773	14827	89.19	27.88	18.95	99.2	80.08
4119	21488	89.17	48.65	6.76	31.63	20.56
3156	17541	89.14	717.33	403.54	1634.93	638.53
2190	8742	89.14	114.3	11.18	157	32.42
3196	20926	89.14	843.85	68.19	583.84	230.57
469	18582	89.11	338.73	47.29	231.94	72.25
2174	14501	89.08	98.17	24.64	41.39	23.48
4133	772	89.08	67.35	8.92	36.93	17.84
2605	17240	89.06	1680.12	312.27	3692.46	1526.02
2718	15467	89.03	119.2	25.28	57.7	30.94
1858	16915	88.98	2018.28	372.08	5655.81	3069.92
3441	20114	88.95	62.4	11.56	26.93	26.68
1195	3079	88.89	228.17	113.62	145.73	53.56
2226	11505	88.79	50.65	8.39	84.51	33.82
1659	10332	88.74	250.87	99.23	54.41	87.77
988	12928	88.69	625.58	77.18	508.88	130.67
2285	6189	88.58	1200.49	559.83	3938.18	2204.98
1093	2492	88.58	244.05	41.12	137.16	56.34
3959	19384	88.53	1393.65	171.83	2640.02	1354.54
2570	15955	88.5	70.98	38.82	194.95	94.7
1469	15904	88.5	261.46	56.83	145.22	52.79
1455	2058	88.5	185.96	48.22	90.47	46.63
1403	16783	88.44	137.29	51.69	28.88	39.91
175	6231	88.42	97.45	12.75	72.46	49.66
2884	1641	88.36	200.93	33.99	110.21	51.87
3102	18637	88.34	1244.1	201.94	2019.76	623.78
4209	23987	88.34	296.73	83.04	169.61	68.69
3671	13706	88.29	236.65	41.59	397.79	132.61
2557	22542	88.29	1553.85	328.45	3415.72	1418.29
2866	1531	88.16	625.65	149.13	1056.62	326.83
4030	20698	88.12	1446.49	286.91	896.97	447.53
3805	1178	88.1	58.11	5.17	50.19	27.83

378	11827	87.97	70.63	16.03	38.44	17.08
4179	9842	87.89	1130.01	162.74	1605.05	414.46
4041	10544	87.68	224.42	25.28	179.63	71.62
3616	15489	87.65	112.91	15.25	76.3	23.7
4137	746	87.63	50.29	9.53	125.54	81.83
4132	2685	87.55	136.57	20.41	91.28	35.36
3718	17805	87.33	1054.14	70.03	1272.09	281.89
4135	738	87.33	36.13	2.63	29.62	8.52
4058	25064	87.25	882.19	57.21	1189.57	357.66
448	15933	87.2	266.44	72.66	160.35	59.82
587	4527	87.2	56.05	12.81	33.42	14.26
3535	353	87.17	137.1	61.51	59.78	123.83
3069	24433	87.15	35.24	12.16	24.32	23.98
3357	5619	87.14	850.97	225.98	428.64	222.2
2855	16610	86.99	218.43	47.05	147.57	75.68
2967	13499	86.93	96.28	26.93	50.74	37.36
3699	10167	86.9	220.12	37.35	139.64	72.6
3816	15269	86.8	287.24	60.09	184.06	53.15
2905	21011	86.67	1194.24	194.08	2366.94	1065.55
2950	4144	86.64	717.92	92.42	508.9	115.6
2848	24797	86.56	95.97	13.67	66.87	59.74
1228	23044	86.53	224.45	41.23	152.81	56.45
4268	25747	86.48	619.67	148.69	425.22	233.87
648	19411	86.45	116.37	55.34	33.59	20.94
2982	17883	86.19	30.51	4.4	22.39	15.54
3402	23226	86.14	80.45	9.27	56.46	29.88
1928	1841	86.05	184.56	77.88	46.87	51.7
1737	1501	85.97	730.3	133.89	501.17	251.44
3596	6348	85.92	82.4	9.27	53.19	20.52
600	17589	85.91	125.36	57.82	33.16	33.5
3331	12350	85.89	60.45	13.61	30.98	18
3800	21708	85.89	105.85	18.82	62.13	28.38
3746	13164	85.85	839.45	347.66	3807.98	2467.79
3706	10947	85.85	1218.61	123.68	1887.82	948.43
4179	9841	85.74	1666.47	153.26	2171.24	563.9
56	8768	85.73	38.98	6.62	21.76	12.46
417	15927	85.71	124.29	15.06	76.99	31.66
427	15116	85.62	173.73	63.58	86.11	29.13
3654	15803	85.55	42.58	3.57	40.9	24.49
2998	17274	85.55	38.69	7.57	58.14	24.75
3137	17257	85.49	116.78	48.39	40.66	32.93
4161	25629	85.48	72.13	10.78	50.46	28.23
3695	15759	85.44	323.28	83.9	171.95	93.18
3512	24345	85.4	445.87	62.58	264.39	301.31
604	4531	85.34	46.33	2.84	44.36	14.53
3827	25625	85.26	71.68	13.54	34.62	27.17
3258	24596	85.21	91.29	8.08	77.52	44.19
4120	155	85.2	90.57	31.89	41.65	26.57
3853	19942	85.18	207.44	30.19	144.69	54.02
3060	7063	85.18	126.5	27.91	92.67	98.54
1206	16304	85.16	1018.71	176.88	1499.26	506.72
3561	21039	85.08	99.44	21.32	239.59	180.51
3486	9541	85.08	124.15	44.41	72.06	109.95

3482	8597	85.07	144.07	20.56	102.84	33.19
394	21707	85.07	152.81	70.83	40.76	52.2
3473	8212	85.02	1243.19	145.66	1984.57	731.41
3379	17908	84.89	121.64	35.63	72.53	116.7
456	15558	84.86	403.8	67.32	309.7	117.24
3491	21076	84.84	50.29	5.48	40.21	16.58
3382	15259	84.83	173.67	39.01	101.51	55.77
4045	17995	84.78	1096.43	199.3	1700.15	651.94
2999	20464	84.78	1368.16	149.82	1782.69	560.41
144	10623	84.71	558.28	150.08	1106.36	503.43
4149	912	84.71	444.45	52.53	353.86	126.43
3643	4011	84.65	1065.84	236.96	1821.55	680.32
4047	14347	84.63	1231.25	156.22	1744.22	515.78
3639	20449	84.59	80.01	96.05	40.6	104.34
3245	24897	84.57	20.87	8.46	44.28	16.55
29	18327	84.56	101.34	33.54	44.4	26.98
3212	25676	84.54	152.77	32.89	96.72	43.31
576	11203	84.53	86.52	27.79	42.24	17.81
3105	16221	84.49	87.05	12.61	62.94	28
384	14353	84.43	57.65	12.97	37.24	21.71
4196	19584	84.38	189.94	25.96	115.26	48.7

TABLE 5RR: MENADIONE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2399	24300	100	180.7	1.42	81.24	31.93
2757	22176	99.95	345.1	2.61	103.62	68.4
723	4857	99.92	1124.49	17.98	397.4	136.61
1612	8113	99.87	274.66	1.69	116.11	56.32
2400	2052	99.87	399.44	5.83	169.68	80.64
2425	17892	99.79	777.73	1.58	363.38	178.48
4025	16345	99.79	365.41	3.4	622.3	140.2
1800	3320	99.79	198.56	3.3	86.72	40.45
2448	19063	99.79	62.36	2.22	168.67	45.16
2122	2218	99.76	180.19	7.9	70.57	36.23
746	4954	99.74	1004.71	23.67	393.18	188.65
2959	25371	99.68	130.65	2.54	55.32	42.87
680	4107	99.68	298.93	0.97	217.52	179.13
2253	2487	99.66	138.35	10.62	54.31	34
223	10988	99.6	58.32	0.09	25.73	47.89
1445	12793	99.58	61.18	0.52	33.62	19.37
2309	6287	99.58	180.95	7.54	72.6	30.98
1715	17673	99.52	172.71	6.62	69.05	41.3
2044	15102	99.5	801.52	26.16	310.86	146.28
1147	3057	99.5	187.93	4.35	63.41	41.88
426	22781	99.44	243.94	24.29	94.07	54.57
3638	12996	99.44	567.38	16.39	315.41	136.2
3703	8384	99.42	92.43	2.97	39.63	62.09
2398	21890	99.42	239.85	0.72	153.66	69.42

3637	9370	99.42	313.43	2.69	484.73	95.6
3453	18216	99.39	102.58	3.92	46.23	18.46
1750	22269	99.39	230.35	11.37	108.07	56.95
1669	12243	99.39	90.42	3.71	31.08	26.91
2064	5057	99.36	153.21	9.38	55.93	25.98
2534	22379	99.34	152.12	22.08	472.67	216.47
2136	11888	99.34	183.54	0.4	141.1	61.23
2335	26270	99.31	89.86	5.02	37.12	18.67
2790	14850	99.31	75.79	2.11	28.96	17.68
1722	13426	99.31	969.36	18.48	530.79	178.2
1606	8627	99.29	56.5	0.46	32.96	26.91
1727	5021	99.29	327.22	10.83	169.74	69.46
2426	13746	99.29	338.35	13.85	161.48	69.34
955	22772	99.29	49	0.35	29.56	18.97
3758	11092	99.26	170.21	1.97	89.15	40.73
3640	25058	99.26	151	3.2	78.96	42.21
1759	10968	99.23	228.83	23.87	61.43	43.27
4205	575	99.23	1693.34	21.47	904.1	309.05
3830	18628	99.21	1376.06	3.06	1448.93	396.72
1910	12909	99.18	206.44	7.94	102.99	53.06
2504	9171	99.18	290.11	13.27	137.68	50.98
2162	22105	99.15	41.53	7.54	140.33	42.86
1040	26094	99.15	179.5	1.8	110.38	45.08
2017	7253	99.13	114.1	11.91	303.81	94.98
1933	8985	99.1	188.58	11.73	78.27	34.45
1754	10944	99.1	81.25	2.35	29.8	30.52
1814	17234	99.1	297.76	5.93	175.57	56.71
2650	14167	99.1	245.59	4.55	134.58	47.68
2352	15533	99.07	57.35	2.03	20.17	15.47
711	6483	99.05	86.28	8.31	235.53	77.52
1277	22126	99.05	103.32	1.53	57.42	34.03
1163	24095	99.05	158.52	0.73	97.45	50.15
2600	3917	99.02	539.14	111.2	1585.96	509.75
1909	19219	99.02	161.89	3.18	89.18	33.68
1413	12758	99.02	112.57	1.96	54.84	29.87
3789	22919	99.02	84.95	0.74	127.53	28.77
2296	5459	99.02	187.12	13.03	77.83	29.88
183	11864	98.99	87.87	1.12	53.58	23.34
2505	15551	98.97	502.29	15.59	326.86	67.26
2486	1480	98.94	168.57	3.09	289.43	79.13
2493	13899	98.94	175.39	2.06	88.48	41.54
1411	19638	98.94	152.8	6.89	74.91	30.99
3571	9594	98.91	141.58	3.82	75.16	28.64
1531	19617	98.89	115.72	2.08	66.82	37.34
1768	11942	98.89	108.48	6.32	45.54	24.33
1568	9924	98.89	72.93	1.5	30.66	22.48
127	16889	98.86	238.23	30.65	89.64	46.92
3158	25336	98.86	71.92	4.47	24.7	21.75
360	6413	98.86	138.24	14.78	41.08	23.49
827	23005	98.84	187.07	4.93	124.6	86.4
2109	16005	98.84	209.58	19.7	405.59	82.34
2315	3968	98.84	224.25	8.94	135.49	34.69
2069	11686	98.84	145.27	14.08	53.72	25.93

1588	5809	98.84	96.47	5.51	37.37	25.82
1961	5104	98.84	146.92	1.4	107.12	22.23
2458	19721	98.81	155.67	16.31	58.09	29.35
2015	5716	98.81	151.3	29.59	53.6	26.97
2439	6721	98.81	102.73	3.41	45.8	40.16
3681	18074	98.81	58.73	1.15	36.04	21.86
3676	19048	98.81	77.48	4.49	29.33	19.7
682	12195	98.81	219.37	15.01	91.54	50.11
2511	23730	98.81	54.65	3.6	20.55	13.23
3203	2667	98.81	1093.39	5.84	807.76	200.92
3855	26264	98.81	103.62	3.61	52.25	20.48
1322	6831	98.81	106.87	4.12	52.64	25.28
335	15283	98.78	324.91	28.52	644.4	206.73
3266	24719	98.78	77.87	8.19	25.79	17.05
180	4245	98.78	444.89	17.75	738.82	176.68
2007	15323	98.78	112.84	4.99	55.76	21.92
2376	12568	98.76	54.18	1.46	28.95	12.83
2350	22961	98.76	186	7.09	87.97	39.09
1671	18	98.76	43.78	4.28	123.08	50.04
1547	5386	98.76	133.04	9.98	53.62	30.72
1106	2620	98.76	121.92	3.56	61.81	26.5
3200	18078	98.73	85.57	2.12	46.74	79.49
1560	9893	98.73	112.11	5.22	52.88	23.1
1642	8392	98.73	119.19	4.5	45.14	36.36
620	17691	98.49	46.9	0.87	88.97	36.83
482	2753	98.44	187.88	62.1	46.2	30.04
3683	13186	98.36	190.58	20.37	77.58	34.13
3683	13185	98.31	82.07	8.15	25.31	61.41
2971	1791	98.25	124.5	1.11	86.65	34.18
3648	16164	98.25	434.63	14.09	690.45	284.97
4180	22006	98.25	233.67	1.69	307.53	76.47
3708	15601	98.23	134.48	28.23	312.04	81.88
3703	8386	98.2	275.88	19.69	134.61	48.34
1246	20236	98.17	321.29	36.05	148.72	74.7
2887	930	98.17	54.8	1.79	27.5	15.12
3254	25546	98.17	73.78	5.1	29.07	36.17
2986	20630	98.12	766.18	94.79	290.26	309.79
3201	730	97.99	69.78	1.88	46.4	36.74
2961	854	97.94	78.06	13.18	31.44	15.32
3316	17561	97.91	489.69	9.58	260.53	144.84
4265	23302	97.88	48.41	0.81	36.69	21.3
2859	1396	97.86	56.95	0.38	59.24	18.79
3062	15677	97.86	414.97	14.78	242.94	121.91
4196	19584	97.86	143.08	1.24	115.57	48.91
2848	24797	97.83	159	11.7	66.86	59.57
437	16495	97.83	555.16	2.06	557.12	151.84
3034	20207	97.8	99.04	8.55	46.68	30.91
3311	18967	97.8	466.22	142.66	211.17	144.3
2808	19795	97.8	69.08	6.96	27.98	35.54
3563	24800	97.75	303.14	24.72	139.49	67.47
3268	11150	97.75	365.35	16.97	178.11	93.05
1218	25160	97.72	135.14	26.25	39.22	24.76
3869	24655	97.72	43.21	0.31	46.07	17.29

3902	16109	97.7	245.38	9.16	384.71	89.62
484	18489	97.62	208.66	41.58	28.75	107.44
2986	20625	97.56	1714.38	529.76	562.44	838.87
3771	21866	97.56	360.7	51.01	178.2	78.58
1201	25124	97.54	106.21	8.07	55.95	34.29
3989	14965	97.49	939.38	178.14	297.07	183.06
4218	492	97.49	270.17	34.15	144.71	121.53
4111	25590	97.46	117.46	1.89	86.36	27.95
4163	25083	97.46	82.53	25.15	28.46	17.43
2986	18480	97.43	279.58	24.9	121.42	311.09
2324	3076	97.43	89.72	6.6	43.93	22.57
4222	20308	97.43	105.38	8.98	52.63	19.99
3398	235	97.38	293.23	32.9	167.56	83.88
458	15629	97.38	105.54	3.57	59.2	26.08
4142	25607	97.35	676.08	193.65	100.14	122.28
3531	8269	97.33	1916.49	158.27	694.71	446.74
75	20811	97.33	1242.64	13.59	1728.83	500.77
34	17577	97.3	178.08	43.2	72.01	28.61
4069	1471	97.3	59.06	1.78	39.02	24.94
3594	11849	97.3	482.84	30.95	747.58	165.43
3357	5617	97.27	332.47	159.93	58.28	53.76
3797	20842	97.27	255.41	5.44	356.38	71.7
3167	24857	97.25	64.93	7.44	22.78	16.34
3428	19679	97.19	228.54	6.58	390.62	141.2
3003	1476	97.17	311.29	15.95	568.82	199.4
2987	25399	97.11	371.57	43.31	153.04	220.19
4175	25647	97.09	370.11	42.77	149.61	254.75
3546	15779	97.06	74.86	3.07	38.89	29.89
3186	956	97.06	286	1.91	301.35	128.58
3038	1138	97.04	80.18	6.18	44.59	21.83
4123	433	97.04	127.19	26.85	46.07	33.51
4200	18541	97.04	752.26	22.27	1078.37	225.89
4115	317	97.01	103.78	16.88	43.86	20.51
3357	5619	97.01	1308.07	344.3	429.25	221.19
2986	20626	96.96	475.22	107.28	161.8	327.05
2753	15850	96.96	1101.56	6.17	1238.77	299.76
392	19726	96.9	163.15	32.19	80.07	34.17
3607	16847	96.88	528.06	9.04	717.9	171.75
3966	2643	96.85	92.03	7.9	50.89	20.77
4234	25717	96.82	62.16	10.78	23.07	65.37
3184	5034	96.8	485.96	15.25	751.36	202.34
4275	25756	96.8	251.81	25.85	104.29	54.32
3553	23489	96.77	71.41	7.41	26.47	28.57
4278	18031	96.77	143.03	11.31	86.12	30.26
4266	447	96.74	68.82	14.92	29.43	12.37
3138	721	96.72	65.8	15.25	28.58	13.82
4193	25671	96.72	113.37	8.71	55.13	194.9
3039	997	96.69	49.38	15.13	22.19	16.2
2800	16514	96.66	205.29	1.93	255.69	51.92
671	3928	96.64	90.11	3.15	54.81	22.12
4189	25662	96.64	186.81	6.23	111	211.64
2860	9029	96.61	196.39	23.26	379.98	189.45
3585	690	96.61	93.5	34.45	33.01	15.99



3665	9428	96.59	23.12	11.7	66.01	19.69
4213	517	96.59	183.96	35.09	91.48	88.44
4150	990	96.56	73.35	5.22	34.56	26.65

TABLE 5SS: MENADIONE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2693	21874	98.09	714.16	66.32	274.46	146.04
3637	9370	97.9	299.4	23.36	485.34	95.13
2683	14923	97.8	150.34	11.7	308.85	347.67
3563	24800	97.69	412.34	114.62	138.45	64.78
891	12306	97.42	2705.16	426	1139	519.81
2757	22176	97.32	293.28	49.84	103.1	67.85
2458	19721	96.92	128.44	17.6	57.91	29.23
3627	18376	96.87	502.67	58.09	273.27	109.5
4276	25759	96.87	204.94	50.78	52.81	44.87
3436	17885	96.84	95.34	15.92	204.96	60.6
240	17614	96.63	341.7	46.67	185.32	53
1370	15679	96.6	253.35	15.46	162.28	66.86
504	7050	96.49	71.17	6.78	40.17	13.37
3355	16227	96.42	237	37.94	124.19	64.63
806	5251	96.39	417.43	27.99	228.66	91.78
2460	21237	96.34	167.92	22.14	86.15	33.71
3975	24672	96.23	65.83	9.07	35.55	22.26
824	9942	96.23	233.47	10.64	362.24	98.81
3801	11830	96.18	1301.73	219.19	622.18	253.4
55	18346	96.15	58.25	12.71	145.88	48.88
2559	12366	96.12	161.51	16.54	95.74	35.27
141	6308	96.02	309.42	29.51	190.29	59.01
2684	15004	95.96	386.66	37.11	238.42	157.67
2212	8609	95.91	211.52	25.1	123.49	35.89
901	402	95.91	2132.63	244.34	1202.48	414.73
683	4607	95.86	179.2	36.88	92.68	37.18
2306	13581	95.83	121.37	17.67	55.1	24.94
1511	6192	95.7	275.52	45.68	556.08	182.48
860	23527	95.67	153.5	20.81	74.11	40.86
2064	5057	95.41	113.91	15.63	55.81	25.98
156	6003	95.38	143.34	13.51	80.22	37.48
1869	21922	95.35	82.79	18.78	204.47	78.8
1335	22619	95.33	539.43	55.17	299.6	115.07
3037	1223	95.3	291.14	60.02	137.03	80.84
1927	6555	95.25	153.82	16.88	253.91	68.51
2670	16960	95.19	77.51	10.08	36.63	21.24
2027	6479	95.14	1532.11	75.58	1041.33	394.73
2206	15191	95.09	3244.47	431.72	1212.21	1328.34
1898	15291	95.06	110.82	9.78	70.41	39.05
1705	11057	95.03	121.35	13.49	55.43	40.56
3167	24857	94.95	64.47	16.43	22.65	16.16
4019	23682	94.93	431.37	47.84	245.85	101.59
4222	20308	94.93	93.81	10.91	52.52	19.92

3205	16683	94.85	118.83	10.61	76.13	35.43
1530	7860	94.85	76.57	12.22	31.9	25.93
2399	24300	94.82	142.98	17.44	81.11	31.92
2315	3968	94.74	199.42	18	135.32	34.63
670	22783	94.66	291.56	31	165.28	123.49
3676	19048	94.61	69.79	12.44	29.21	19.6
11	18289	94.58	567.01	40.2	373.03	125.1
1468	15786	94.53	167.7	27.33	309.13	79.62
1064	2329	94.53	408.53	39.92	217.64	99.54
2394	11631	94.5	318.94	82.68	141.5	76.24
4275	25756	94.45	233.48	36.77	103.91	53.94
853	13027	94.45	85.08	8.75	176.1	57.93
3902	16109	94.42	238.15	26.31	385.19	89.34
3253	6598	94.42	381.42	57.54	182.73	84.32
2606	13377	94.32	1409.07	68.91	954.34	331.58
3452	20450	94.32	130.43	20.38	72.2	28.95
2918	12974	94.29	194.88	13.16	125.27	46.52
435	20701	94.29	1366.85	185.45	880.87	393.54
1331	6845	94.24	49.02	4.89	28.18	12.7
1357	4213	94.18	4824.8	285.81	4465.41	3881.05
3254	25546	94.18	68.9	13.48	28.95	36.15
4201	21152	94.16	3844.33	233.83	3592.61	2481.52
2754	17455	94.11	280.41	34.66	166.29	67.91
2668	26313	94.03	116.84	15.3	66.02	35.42
3279	15776	94.03	311.51	42.17	189.48	82.54
470	21917	94.03	152.94	42.24	74.85	65.82
2928	174	93.92	101.38	15.55	43.2	32.8
1811	19011	93.92	431.83	92.84	288.68	89.28
462	11889	93.87	37.05	3.38	21.77	10.49
2235	19309	93.87	38.24	26.96	91.59	25.39
2777	18267	93.87	346.69	66.22	126.28	106.4
4040	6274	93.84	180.9	14.7	116.03	97.86
2126	19012	93.84	683.46	84.05	439.74	165.4
1863	3259	93.84	83.94	51.68	243.18	76.39
3983	16401	93.81	5672.7	575.16	5366.36	5007.6
775	10666	93.79	377.1	36.21	570.86	119.56
1917	9575	93.79	257.18	44.54	447.09	109.46
2526	22791	93.79	232.74	44.91	139.38	64.05
1118	2918	93.76	631.79	59.62	435.55	137.55
1058	18648	93.71	65.41	7.43	36.53	22.03
3873	26267	93.71	93.67	9.33	52.82	27.89
2493	13899	93.6	168.37	20.52	88.23	41.36
2298	4073	93.57	95.92	16.77	251.33	144.2
1534	5263	93.55	254.49	36.09	450.62	127.69
1782	3537	93.49	256.62	33.83	439.6	116.24
686	22981	93.49	312.93	27.91	194.98	67.66
991	23674	93.44	53.43	7.81	23.63	17.57
4212	1959	93.41	3101.5	192.27	2981.8	1820.95
1430	1409	93.39	228.7	40.31	411.79	113.62
350	17334	93.39	311.96	66.11	176.67	86.64
1099	2566	93.39	31.36	105.72	381.53	176.99
2939	25325	93.36	1467.89	200.42	1624.58	1181.83
131	6304	93.31	66.67	6.46	41.92	20.93

3126	22294	93.31	193.25	20.42	118.16	45.67
1971	5993	93.31	51.64	10.75	20.65	16.29
3423	26349	93.28	209.41	29.13	128.94	54.75
1177	23770	93.23	89.1	4.24	68.39	20.13
4036	16963	93.12	5068.31	328.3	4286.61	3539.05
3982	15190	93.12	4411.01	697.88	1828.63	1710.94
3959	17109	93.04	5187.13	462.26	4958.81	4398.12
3170	16274	92.91	4458.67	382.12	4093.23	2903.72
558	3474	92.91	197.48	25.38	320.95	79.31
4229	1719	92.86	166.34	25.52	101.77	50.65
2965	395	92.78	43.75	5.33	25.65	15.97
3020	25439	92.78	2727.77	250.49	2576.25	1802.37
3038	25446	92.64	79.85	7.24	52.3	30.47
3118	139	92.59	68.42	12.24	41.15	21.48
3708	15601	92.35	190.48	28.78	312.34	81.87
3397	889	92.35	85.09	7.78	57.34	25.47
4088	111	92.27	3538.16	264.43	3155.92	2039.91
4183	818	92.22	3600.31	311.77	3418.63	2161.05
443	14285	92.19	35.68	4.14	22.69	9.38
4133	772	92.19	109.12	32.56	36.73	17.13
2882	24799	91.95	695.67	144.08	304.68	123.71
2332	14983	91.9	3883.71	639.42	4036.95	3467.99
4287	20426	91.85	116.75	17.78	74	29.74
3148	835	91.82	35.43	3.63	23.05	10.24
3468	23178	91.66	78.23	8.46	119.12	28.82
3378	16449	91.58	27.12	66.25	331.78	189.63
4233	17176	91.56	1338.78	95.82	1492.98	635.4
2980	17472	91.4	2846.34	209.95	2570.69	1603.04
3577	20410	91.39	90.58	22.39	39.72	27.34
2833	23220	91.32	116.06	8.35	84.65	30.26
3517	24283	91.32	107.56	13.44	58.02	37.66
4260	1877	91.32	426.48	64.69	697.44	185.8
3895	8641	91.24	426.91	77.47	221.09	143.78
2986	20626	91.18	303.4	46.77	161.63	327.67
4143	25608	91.15	74.76	27.7	26.37	16.94
3477	4212	91.13	4734.12	342.94	4062.27	2677.39
3038	1138	91.08	71.76	10.45	44.52	21.82
528	2106	91.05	125.59	16.64	60.79	50.43
3449	20276	91.05	68.17	6.77	51.22	26.71
3294	2970	91	3099.91	165.88	2296.06	1092.69
4030	20698	90.97	1661.6	250.1	895.94	446.11
2937	1264	90.89	5056.59	557.91	4271.77	3343.11
3563	24798	90.89	1216.71	246.68	568.13	194.03
3739	25431	90.87	39.42	7.5	22	17.89
3258	24596	90.76	81.05	2.77	77.57	44.21
3864	17653	90.75	150.35	42.3	60.9	28.22
3531	8266	90.73	3791.28	322.85	3553.27	2252.62
3357	5617	90.73	225.83	118.28	57.92	53.41
412	17111	90.73	5089.37	584.38	4309.49	3705.27
1211	24414	90.63	196.56	13.11	145.18	45.31
3354	24785	90.57	108.69	14.28	66.37	28.11
3170	16275	90.52	3703.22	398.86	3434.4	2264.74
496	13686	90.51	79.06	10.34	43.77	17.21

1857	20833	90.41	522.74	92.1	784.7	162.71
3361	24362	90.41	3157.46	382.51	2972.18	1816.13
426	22781	90.39	144.78	16.92	94.07	54.87
451	15421	90.39	386.8	25.15	521.95	110.65
3177	6109	90.39	3892.59	421.76	3587.94	2271.51
2955	109	90.36	4267.74	420.11	3932.08	2218.07
4113	1340	90.36	74.4	9.59	52.89	25.2
2882	25805	90.33	101.74	19.82	50.95	18.88
3172	7897	90.31	3855.77	393.93	3453.76	2131.21
845	1682	90.3	84.93	16.27	45.13	21.22
3652	24219	90.25	593.76	96.63	379.86	188.74
4182	819	90.23	3042.17	168.2	2545.71	1186.25
4142	25607	90.2	419.03	157.7	99.54	122.38
3447	20249	90.2	46.76	7.26	24.84	21.04
4205	575	90.2	1737.56	370.42	901.37	304.79
4221	21123	90.18	640.81	49.15	947.96	279.54
3477	25681	90.15	4723.2	312.96	3800.99	2398.13
3448	20266	90.12	196.98	21.62	135.98	68.99
589	4590	90.04	22.67	9.97	51.5	26.92

**TABLE 5TT: PHENOBARBITAL**

**Attorney Docket 44921-5038-01-WO**

**Timepoint(s): 24, 48 hrs**

**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
168	12160	99.57	14509.4	1799.95	1049.44	854.7
2851	20384	99.36	2701.88	410.3	150.03	155.21
1140	16619	99.36	713.25	246.34	40.9	32.13
2981	25055	99.28	5929.63	1086.36	212.08	345
2942	12158	99.23	5925.29	1167.93	202.62	343.02
2919	12155	99.12	6862.7	1252.04	598.29	481.88
2988	25056	99.12	7387.16	1370.12	900.36	532.06
2935	12156	99.07	8591.53	2032.53	458.65	609.76
3250	18989	99.02	4513.32	609.96	1461.71	655.12
2936	12157	99.02	9007.72	1942.89	530.8	757.11
2989	24860	98.57	2059.71	459.96	381.67	242.66
3156	17541	98.51	4033.99	520.97	1617.79	616.82
3322	20914	98.49	2651.89	1037.07	223.6	247.17
3221	1794	98.33	8380.61	2185.02	2140.54	1183.97
3310	21903	98.27	3643.76	729.8	1515.09	462.39
3221	1793	98.19	4171.77	1131.42	1144.07	573.64
2421	15879	98.11	611.47	118.46	310.74	80.78
1094	2486	97.93	1195.54	262.49	515.34	157.1
3221	1797	97.77	6145.42	1635.04	1773.22	976.28
2964	1795	97.69	2239.55	703.59	524.16	350.78
4030	21904	97.37	8156.77	1552.69	2978.72	1550.8
1128	23930	97.32	236.88	60.38	53.1	44.14
2991	25400	97.16	4568.93	802.12	1658.37	916.05
3472	20915	97.05	1964.9	773.41	527.84	347.82
3849	17091	96.76	116	23.06	44.55	42.17
205	11988	96.6	139.95	37.51	56.28	26.63
3268	11153	96.28	260.25	46.26	634.11	201.28

4045	17995	96.2	3547.7	563.59	1687.45	638.23
2905	21011	96.09	5332.75	1152.88	2345.58	1043.63
3268	11152	95.75	98.68	23.39	334.96	142.03
3251	21015	95.7	5743.81	998.6	2912.28	1030.16
2646	21260	95.27	299.99	54.47	128.19	78.98
3879	15124	95.09	2406.47	353.59	1345.49	441.15
3634	25525	94.93	2250.03	464.69	1343.7	361.41
3268	11150	94.87	44.26	13.71	179.12	93
3634	634	94.85	2521.56	315.16	1528.26	416.14
98	12064	94.82	1068.73	193.68	606.32	195.57
2338	16703	94.82	1966.01	255.17	1165.03	381.58
3879	15125	94.79	3096.02	530.42	1641.41	615.12
3251	21013	94.74	5830.6	1551.69	2598.03	1193.02
3454	762	94.69	3038.68	633.54	1597.05	590.38
690	18588	94.66	403.75	65.1	236.31	97.4
3268	11151	94.55	221.98	55.37	509.67	187.01
313	22979	94.1	446.42	46.16	302.55	95.45
3322	20913	93.94	2688.59	2126.02	259.45	260.34
2862	1354	93.94	372.7	54.99	261.62	222.06
3791	9267	93.89	2683.56	267.74	1722.77	484.01
322	23243	93.86	3388.07	493.94	1787.33	778.25
2520	20845	93.81	437.39	59.24	243.05	112.85
3879	15127	93.38	1092.94	112.75	691.3	326.58
2950	4144	93.3	388.45	17.06	510.54	116.34
2388	12556	93.19	471.8	169.24	58.76	95.77
2540	19271	93.15	134.66	35.71	273.31	93.74
1532	7882	93.07	225.07	29.35	81.78	75.73
3954	4312	92.98	521.06	266.69	61.32	146.18
2570	15955	92.88	330.93	30.29	193.64	94.59
3634	635	92.88	2600.97	345.87	1568.77	481.76
3435	20090	92.83	63.15	7.18	109.83	42.39
1283	24112	92.64	2163.88	366.35	1244.91	607.68
72	12060	92.53	50.55	8.73	91.31	25.79
1771	17705	92.45	82.18	9.37	131.44	38.83
2964	1796	92.37	882.48	338.68	235.11	173.14
1534	5263	92.35	654.46	52.63	448.6	127.54
936	18939	92	673.45	204.98	202.49	117.42
2067	5968	91.87	1151.84	215.84	708.98	247.14
403	15166	91.84	415.88	22.37	588.85	137.61
3044	4198	91.68	745.2	83.97	1092.52	231.77
2442	6633	91.6	758.67	172.56	1250.77	331.5
1992	18473	91.52	942.15	242.01	433.28	208.17
300	8872	91.49	998.09	281.52	491.49	237.66
3659	14957	91.42	77.29	6.42	126.62	46.79
3364	1174	91.29	4791.97	713.92	2379.14	1388.64
2060	13364	91.23	47.42	35.62	138.45	38.39
3931	20707	91.23	1399.02	196.5	601.99	294.44
4242	25725	91.17	270.08	56.84	142.09	63.02
2404	16801	91.15	99.62	9.88	141.59	35.86
1282	4103	91.12	382.3	55.98	198.23	68.92
2116	6524	90.97	546.51	29.95	699.53	141.78
1079	2393	90.91	157.72	41.9	287.6	85.55
3327	3254	90.89	237.54	7.36	257.04	90.92

3473	8212	90.83	3112.17	354.67	1975.03	728.36
2624	5794	90.78	70.25	12.28	123.81	38.5
3314	17740	90.78	4008.33	523.88	2188.6	950.26
3653	5497	90.7	427.99	58.95	643.48	188.3
2368	9032	90.7	823.09	122.31	603.96	158.27
1863	3259	90.67	360.08	39.26	241.8	76.74
2580	3143	90.6	249.63	20.08	355.57	95.49
3561	21039	90.59	720.51	176.04	236.37	176.95
517	19319	90.54	65.92	11.77	121.34	49.96
3141	23445	90.52	78.1	28.93	236.42	130.77
3801	11830	90.46	377.42	38.91	626.73	257.51
2667	16781	90.44	482.82	105.22	328.26	126.29
903	4185	90.25	6527.56	558.8	4083.35	2982.46
2764	14811	90.22	106.7	34.71	41.76	24.4
2390	7460	90.14	13903.64	1196.71	8321.17	5716.29
3634	25069	90.06	663.79	261.49	202.92	247.01
2814	17082	90.04	52.62	6.86	89.47	33.8
310	17766	89.98	689	57.06	487.27	93.09
4047	11755	89.96	2478.27	379.82	1553.49	581.96
1285	16701	89.82	3456.85	244.83	2268.68	714.6
3125	20889	89.8	84.13	16.75	156.56	73.91
903	4186	89.77	5001.5	445.22	3629.64	2066.56
3634	18990	89.77	75.49	27.67	25.51	57.32
3572	15187	89.64	63.15	9.02	108.66	43.44
3046	1430	89.58	223.43	38.49	90.18	69.26
3561	21038	89.5	733.73	177.68	291.84	201.15
3599	1175	89.23	1449.5	271.46	626.21	343.54
3128	18730	89.16	5379.25	576.87	2887.14	1605.69
405	26034	89.16	132.89	28.5	52.95	59.9
3564	1853	89.11	5250.77	501.98	2960.48	1633.18
3240	21078	89.08	461.93	70.94	739.71	214.88
3879	5493	89.08	73.21	10.75	54.29	64.32
3653	5496	89.05	317.11	55.78	493.63	155.54
2798	25883	89	3428.03	299.6	2243.39	1051.58
3583	16564	88.92	122.78	23.49	216.29	84.95
3106	17148	88.87	6457.02	555.69	3821.55	2484.2
4230	25705	88.84	562.23	37.31	744.38	198.88
2955	109	88.68	6218.69	454.19	3921.54	2212.43
3718	17805	88.68	1809.45	190.99	1268.19	279.33
3672	20404	88.66	91.37	24.29	205.76	111.45
3263	14534	88.63	8788.22	991.68	4577.37	3851.67
4264	1603	88.62	707.02	82.71	459.07	120.8
3531	8266	88.58	5623.63	609.92	3543.41	2247.9
3223	23709	88.58	75.1	10.72	178.06	250.82
4170	1602	88.55	629.19	74.59	465.64	108.93
3346	20849	88.52	90.37	10.03	138.46	47.97
3106	17147	88.47	5523.31	565.78	3199.37	1951.71
3391	17507	88.42	302.34	20.96	428.45	115.23
3723	18640	88.23	115.7	10.2	159.23	38.33
639	13088	88.12	1836.55	198.73	1272.65	440.08
3959	17109	88.1	9993.09	1565.35	4933.15	4382.67
339	23069	88.02	21.58	2.62	33.26	11.81
3170	16274	87.96	6083.51	623.66	4084.4	2900.74

3113	7101	87.94	2763.75	445.77	1901.67	637.97
3849	17092	87.88	126.68	17.28	80.55	46.53
3720	18899	87.86	30.42	4.35	45.83	13.43
3294	2969	87.75	3421.75	431.08	2127.84	1026.48
3588	20899	87.73	46.49	3.88	69.46	24.5
3217	26047	87.69	178.16	55.21	69.79	72.09
403	15165	87.57	80.94	12.71	124.84	34.8
118	22025	87.51	4570.37	649.96	2688.89	1734.91

TABLE 5UU: TACRINE			Attorney Docket 44921-5038-01-WO			
Timepoint(s): 6 hrs			Document No. 1935828.1			
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3083	20744	98.81	992.11	49.01	346.88	302.63
3574	17050	98.28	379.56	51.02	189.11	45.94
3817	13369	98.2	313.84	29.32	166.05	41.94
263	19412	98.04	632.66	26.83	387.12	118.38
3800	21709	97.85	308.7	21.56	193.31	46.99
3057	22513	97.67	714.42	622.68	36.75	791.9
3644	18389	97.67	108.22	18.24	21.62	29.4
1358	6919	97.67	1115.56	206.3	342.91	293.47
3492	21063	97.54	146.26	45.53	45.87	22.56
4063	8210	97.51	439.87	119.86	126.05	86.09
182	6060	97.48	320.41	14.26	497.63	113.5
1305	12704	97.48	3225.2	738.25	1537.63	371.36
44	19472	97.46	953.71	72.93	581.75	129.12
463	6079	97.35	108.49	8.34	60.79	91.63
637	21980	97.32	1002	119.49	504.82	160.92
2111	21209	97.27	374.82	146.99	83.28	83.82
891	12306	97.22	2938.32	781.9	1141.7	521.75
3110	24427	97.16	173.63	19.02	108.43	25.14
3238	20728	97.11	422.01	24.13	263.13	83.97
2312	13166	97.06	303.12	88.37	85.31	66.01
2519	633	97.03	856.71	47	1338.05	288.02
1236	16762	97.01	97.61	6.27	59.29	86.96
1410	24200	96.95	1448.31	479.01	437.64	246.76
3492	21062	96.85	100.66	28.74	24.9	77.86
1286	344	96.82	2969.83	492.02	1274.65	554.2
178	6236	96.74	252.53	70.23	951.24	409.13
3516	23606	96.71	989.3	166.6	405.17	222.93
947	22729	96.66	319.68	12.19	182.4	79.86
456	15558	96.42	589.95	181.9	309.41	116.18
753	5003	96.4	382.44	32.14	215.43	84.35
1489	7451	96.4	1978.62	261.09	1138.59	308.49
3057	22514	96.34	132.27	49.43	53.14	79.41
600	17590	96.34	223.78	43.2	106.05	46.42
2445	19513	96.32	307.72	108.08	161.95	46.53
3877	17709	96.29	137.32	33.21	37.84	42.27
776	5110	96.16	586.14	94.86	322.81	112.64
3045	1991	96.13	57.8	9.91	26.22	15.81
477	21952	96.1	90.92	14.32	48.78	17.41

3595	24508	96.08	211.47	23.6	112.86	47.28
3370	20435	95.95	64.16	9.79	27.19	14.33
173	8360	95.92	176.06	5.07	239.49	62.03
1121	2939	95.87	54.55	26.97	208.22	81.78
161	3709	95.87	38.94	2.34	77.47	35.91
801	23464	95.81	704.11	117.59	418.74	110.44
1281	12438	95.79	249.67	19.56	138.33	68.02
3414	18715	95.79	358.3	40.15	196.07	76.37
952	18383	95.71	1135.08	127.59	750.34	166.53
697	2559	95.71	186.95	25.32	104.46	38.27
3153	373	95.63	227.24	32.46	474.41	165.43
2999	20464	95.6	1095.35	43.55	1782.54	559.52
2236	5579	95.57	257.01	69.72	137.63	47.93
1020	24152	95.52	67	1.64	89.87	38.21
4145	1286	95.5	183.35	27.33	112.79	27.95
992	5111	95.39	532.21	128.55	235.59	135.31
648	19410	95.31	172.82	39.04	88.02	30.15
532	13420	95.28	654.46	191.67	378.53	98.34
3964	7166	95.23	47.54	94.21	80.42	49.57
1285	16701	95.15	1261.86	136.13	2277.64	717.12
4267	25742	95.12	80.09	17.45	39.46	20.84
1196	3082	95.07	451.48	96.44	259.74	94.84
1095	2514	94.99	1247.26	322.15	547.73	284.03
1167	16533	94.97	800.73	179.26	445.22	130.9
935	6720	94.89	227.94	50.85	31.13	97.8
2230	2557	94.86	68.59	16.34	35.61	16.81
404	22927	94.86	64.14	13.24	27.73	17.99
254	12102	94.73	368.23	93.97	147.04	96.66
2357	12516	94.67	1348.53	187.49	879.19	195.66
713	12210	94.62	674.98	80.19	318.58	179.59
3268	11152	94.59	646.99	94.91	332.88	141.9
2194	22011	94.59	132.87	21.89	76.56	26.13
2178	23519	94.57	133.17	22.15	77.81	22.23
4165	16398	94.57	839.75	91.42	527.5	137.55
2968	20	94.57	625.39	97.54	346.48	136.85
3812	24204	94.54	111.5	14.67	71.97	20.1
397	22396	94.49	162.13	27.53	98.98	28.64
4231	1141	94.38	256.36	14	177.05	56.18
1202	1382	94.38	40.43	1.43	37.92	15.32
2338	16703	94.36	585.83	91.17	1170.81	384.69
1101	2569	94.36	251.91	137.3	909.5	288.88
3681	18074	94.17	60.23	9.31	36.02	21.85
435	20701	94.14	1440.72	250.45	881.7	393.51
1066	5936	94.04	68.8	6.84	23.21	31.36
779	5131	94.04	435.41	42.67	257.14	90.74
322	23243	93.93	629.83	152.9	1798.88	784.27
4013	19150	93.93	83.76	13.27	43.56	23.05
3771	21866	93.93	289.08	32.27	178.19	78.76
1426	2242	93.91	4309.63	662.67	2425.76	879.85
2204	6138	93.88	384.76	68.99	227.9	68.41
4176	1084	93.83	49.31	6.12	26.71	14.04
3801	18795	93.8	945.93	140.98	540.82	204.52
2187	5876	93.77	1505.45	97.31	1081.12	389.77



282	21341	93.72	498.39	73.45	857.6	303.48
1100	2568	93.67	53.46	11.11	141.53	90.79
126	11166	93.67	272.39	59.51	521.55	148.22
4030	20698	93.67	1371.7	196.62	898.34	448.29
1292	410	93.64	63.01	24.82	186.91	90.68
1432	11197	93.61	189.18	7.01	243.96	56.06
3118	139	93.53	70.22	10.9	41.21	21.5
2911	4407	93.51	205.71	11.21	143.9	57.78
4149	912	93.51	501.96	42.56	353.9	126.25
51	17062	93.51	220.93	46.01	114.24	47.55
3894	24459	93.4	323.38	55.67	214.05	77.63
585	4523	93.4	132.26	28.17	63.06	32.11
511	22314	93.35	241.61	39.08	142.54	49.87
673	6377	93.27	101.92	8.93	185.61	119.92
3834	15002	93.24	189.83	11.9	141.14	75.67
3143	960	93.22	124.24	17.18	215.73	65.87
2844	5050	93.22	72.57	7.85	48.14	27.95
4239	13646	93.22	964.35	46.75	747.74	197.55
4047	14347	93.16	1160.18	54.48	1743.32	515.67
2896	4349	93.11	59.4	9.99	24.3	17.83
3169	16708	93	615.93	125.51	446.83	94.51
3551	767	92.93	46.98	3.61	27.41	16.65
3256	24862	92.69	306.27	47.3	200.09	58.42
3410	24066	92.66	53.9	7.05	32.6	11.99
3522	15697	92.63	65.64	9.7	38.58	14.74
3686	14953	92.53	522.37	37.45	387.26	80.08
2954	25366	92.4	934.17	30.04	891.92	402.32
3717	25611	92.37	59.69	3.26	42.72	24.51
3196	23543	92.34	868.93	81.11	586.14	160.83
108	5257	92.34	101.39	22.95	55.82	22.48
1430	1409	92.34	227.42	52.02	411.4	113.81
3724	20793	92.32	158.96	13.55	109.13	30.81
2963	43	92.26	671.9	74.72	434.54	131.34
3872	17433	92.26	260.91	27.83	184.07	54.65
3060	7063	92.24	172.23	64.75	92.62	98.35
4103	9520	92.24	148.15	23.51	90.31	30.29
3539	17517	92.18	493.07	62.8	334.21	99.78
4196	19584	92.16	210.98	33.57	115.36	48.67
4	4438	92.13	67.98	14.64	38.23	21.03
2796	24205	92.1	160.74	14.55	106.87	34.36
430	17303	92	53.51	13.3	32.64	13.33
4279	25768	92	210.11	36.07	128.94	42.27
3269	18452	91.97	398.19	128.98	1065.41	457.59
2826	799	91.89	121.66	18.13	258.08	183.73
4186	1700	91.89	147.49	26.83	84.26	44.22
3386	20735	91.89	307.34	83.55	189.6	132.43
3357	5617	91.76	142.38	41.03	58.49	54.93
3496	20935	91.76	295.32	22.28	230.21	42.1
652	4554	91.73	125.4	23.34	77.21	40.15
442	15339	91.65	148.59	6.71	124.41	34.48
3800	21708	91.6	107.48	20.06	62.22	28.43
4001	16444	91.49	152.52	7.28	123.3	50.18
3687	14184	91.49	364.58	74.74	196.86	110.06

4245	515	91.49	72.75	9.3	47.46	20.74
655	17896	91.47	59.18	8.94	112.37	41.42
438	4339	91.44	201.72	28.66	140.82	39.42
2539	13092	91.44	68.66	27.49	220.65	123.7
2878	2744	91.39	287.61	31.87	207.79	84.44

TABLE 5VV: THIOACETAMIDE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
371	14124	99.79	223.08	59.2	53.68	61.55
139	2109	99.63	1619.05	210.49	778.74	242.65
3893	14125	99.63	381.23	45.35	92.39	43.16
1679	8874	99.6	224.86	97.45	33.97	93.98
3934	19456	99.52	1200.19	444.2	21.37	125.37
3352	455	99.52	186.68	14.66	47.96	27.58
3619	21624	99.5	2877.58	335.23	1282.27	459.03
3618	15185	99.5	596.13	178.6	59.09	95.37
2636	13023	99.5	309	130.18	39.97	81
3961	16457	99.47	442.4	55.93	167.91	77.21
323	4048	99.47	2162.51	746.07	45.11	215.49
3893	14126	99.44	312.13	48.4	29.67	55.07
629	17752	99.42	126.59	30.6	472.83	141.01
2308	4097	99.39	215.08	51.33	36.55	22.16
696	4095	99.39	281.42	62.64	42.25	34.21
3412	574	99.34	660.26	309.17	92.67	161.05
2661	2765	99.34	208.05	51	37.64	22.38
2274	6315	99.26	324.55	55.22	132.38	56.1
3563	24801	99.26	193.45	17.56	452.28	147.75
3060	7062	99.26	543.91	144.13	101.79	101.06
1908	4049	99.23	2728.23	747.06	123.73	219.88
927	23035	99.2	101.47	35.31	622.41	217.01
917	12314	99.2	649.3	116.43	2170.56	673.35
1944	24803	99.18	326.7	95.17	969.69	348.24
1678	22684	99.15	960.68	137.46	484.73	210.89
3289	15365	99.15	1904.78	267.2	708.21	344.39
3611	19040	99.15	400.52	120	39.62	55.7
3090	4452	99.12	348.56	58.03	1108.26	347.16
3545	20770	99.12	380.46	97.32	76.47	65.15
3	2417	99.1	647.6	74.27	322.88	83.01
768	23173	99.1	953.61	280.91	166.15	107.37
825	6039	99.1	554.77	44.43	192.65	68.77
3919	19316	99.07	246.39	87.84	44.8	34.8
2782	14840	99.07	263.13	48.08	72.01	37.06
1297	4261	99.05	539.73	93.73	1139.77	209.3
1279	4098	99.05	299.73	51.77	73.32	36.79
1518	23273	99.02	259.98	14.58	143.2	45.11
3387	10015	99.02	441.54	77.33	137.73	48.57
3700	22321	99.02	964.01	336.32	74.11	93.51
3506	20509	98.99	52.18	4.89	23.71	9.44
3750	14929	98.99	728.2	332.36	119.63	77.78

3097	20589	98.99	235.16	102.85	24.59	23.52
915	22606	98.97	833.91	162.07	2170.39	530.99
3891	15409	98.94	174.22	30.55	601.57	285.07
1846	2069	98.94	1001.6	187.55	447.79	87.33
3173	7197	98.94	110.59	43.53	24.68	16.08
3117	24707	98.94	276.06	80.2	1264.31	453.06
1030	24040	98.91	1743.78	421.28	566.13	220.67
660	3895	98.91	184.27	68.54	26.71	21.25
3745	5175	98.91	396.37	195.53	39.48	59.89
3838	20869	98.91	429.55	147.84	59.06	43.02
657	23731	98.89	293.68	76.54	131.71	49.58
3152	20587	98.89	437.57	91.43	1017.45	250.54
4116	17480	98.89	201.94	48.87	68.06	33.02
3195	25279	98.89	573.02	130.36	190.9	85.32
1089	2459	98.89	313.18	236.24	26.33	38.53
189	4491	98.86	564.41	157.03	150.36	57.65
2159	2895	98.86	342.24	50.81	125.44	42.79
3176	18119	98.86	455.08	59.43	177.72	55.14
3317	15012	98.83	229.04	47.87	81.9	58.92
2078	16170	98.83	203.83	59.37	58.96	37.71
791	17514	98.83	119.01	46.34	531.29	139.51
3076	19407	98.83	1209.07	117	598.87	154.22
940	13482	98.81	39.09	14.34	170.17	62.14
4076	1460	98.81	1298.65	187.76	282.3	147.04
1744	16813	98.78	102.95	10.12	251.19	65.04
3060	7063	98.78	609.22	144.29	90.91	92.99
3387	10016	98.78	362.99	69.1	91.49	46.31
915	22607	98.75	249.94	79.92	930.14	237.47
1404	21796	98.75	499.17	133.07	103.3	52.38
3584	6911	98.75	53.72	13.01	234.4	74.16
1847	13317	98.73	132.99	14.51	47.48	31.71
892	22519	98.73	633.78	111.34	1691.16	425.52
3225	16650	98.73	178.76	37.85	58.5	56.41
4228	10109	98.73	1783.26	105.67	1044.79	219.56
2263	13539	98.7	356.7	51.77	177.05	42.91
2880	1414	98.7	184.02	39.55	41.08	20.94
1340	15258	98.67	985.59	328.35	252.54	133.47
3195	3404	98.67	404.16	91.71	126.3	40
3838	20868	98.67	284.65	99.4	41.25	32.69
3490	12606	98.65	185.44	52.02	742.26	237.79
1732	17680	98.65	1261.07	189.79	410.62	168.29
447	15888	98.62	436.93	112.38	165.89	140.02
2665	17537	98.62	199.87	28.29	105.68	37.07
1776	5421	98.62	573.42	153.2	200.26	71.05
2176	7262	98.62	1756.3	308.46	565.61	225.13
1614	3090	98.62	289.95	28.26	141.16	39.16
3090	4451	98.59	61.8	27.16	268.23	98.07
890	2893	98.59	976.57	164.37	420.18	100.83
2503	23013	98.59	557.16	88.62	230.95	68.99
3575	21802	98.59	84.27	11.53	26.95	15.08
1456	16584	98.57	184.55	107.55	22.86	38.52
737	20771	98.57	201.07	22.61	361.5	72.1
3463	11455	98.57	195.57	56.2	46.02	53.11

1897	23596	98.57	443.56	133.71	1325.62	359.5
303	4490	98.57	1056.88	347.95	303.22	131.76
2599	2896	98.57	182.71	21.98	67.2	30.68
547	18165	98.54	58.8	14.89	21.53	10.38
1526	7825	98.54	254.05	33.99	111.16	42.78
3174	16581	98.51	79.68	21.93	25.33	14.43
4082	14121	98.49	574.45	62.25	217.5	100.17
2885	238	98.46	297.6	41.62	140.29	46.6
621	19745	98.46	137.4	17.02	50.67	21.56
3345	16148	98.44	433.4	97.61	1038.95	379.87
588	12118	98.44	1855.09	531.03	263.73	163.1
3136	18068	98.41	124.18	30.54	42.01	13.89
4001	16444	98.38	304.39	74.75	122.7	48.82
2828	20082	98.38	241.26	86.08	39.87	42.8
3584	6912	98.36	50.84	14.35	193.82	64.3
3231	1258	98.36	189.8	37.24	48.72	29.59
4286	3831	98.36	125.11	29.46	34.11	24.01
2857	2005	98.25	80.77	17.62	20.25	12.86
545	22903	98.2	229.99	38.61	114.18	35.46
2924	1514	98.17	178.75	53.8	53.28	21.7
2933	293	98.17	49.95	18.77	236.23	84.48
2975	1427	98.17	81.09	15.86	28.02	18.51
3060	7064	98.17	1227.38	220.54	331.9	194.28
491	17255	98.17	57.63	8.67	25.94	11.03
4118	1478	98.14	107.42	31.18	424.29	118.44
487	9091	98.12	92.08	20.19	23.48	18.72
3317	17502	98.09	279.3	80.84	82.71	49
814	17157	98.09	93.99	30.18	23.15	16.29
3804	20243	98.09	141.12	18.84	64.38	21.5
3258	24596	98.09	240.62	75.28	76.98	42.84
1203	926	98.06	121.88	35.15	36	21.77
3399	3775	98.06	154.21	46.43	69.04	27
3735	2577	98.04	165.3	12.28	78.03	31.39
3178	20755	98.04	368.9	158.2	54.73	60.37
3287	10503	97.98	214.07	71.53	581.16	127.62
3064	7427	97.98	156.76	45.44	32.3	29.89
411	13974	97.98	832.49	311.33	226.92	122.72
4118	1479	97.98	73.5	22.42	297.09	94.57
1737	1501	97.96	1643.15	550.04	498.03	240.13
3648	16164	97.96	1010.45	60.66	688.86	284.77
3287	10504	97.96	365.02	93.93	954.97	259.72
3023	17145	97.9	416.32	142.66	1095.63	285.54
32	20843	97.9	223.81	11.93	116.14	46.18
4211	20872	97.88	1365.47	196.04	762.45	261.25
1202	1382	97.85	105.2	22.24	37.68	14.71
3476	3900	97.85	198.53	77.61	50.2	28.06
4268	25747	97.85	1821.76	709.75	420.97	214.57
3685	4314	97.8	165.23	42.68	455.99	117.03
3679	24811	97.77	300.09	158.01	1508.75	452.88
3463	11454	97.77	310.32	74.93	109.38	56.59
4112	25591	97.77	93.41	26.33	29.71	16.8
7	16950	97.75	127.28	13.45	50.76	28.32
3582	15700	97.72	111.11	52.17	449.78	122.69

2925	17284	97.72	59.67	19.41	184.78	54.49
3316	17562	97.72	1006.01	174.28	350.43	170.31
4074	21981	97.72	493.33	102.15	1017.07	222.52
3031	457	97.69	367.87	54.5	163.1	64.56
785	22843	97.69	732	64.09	404.62	116.6
3476	162	97.69	191.46	76.86	53.78	29.44
961	1809	97.67	677.84	457.09	133.38	741.34
3285	24886	97.64	1945.91	243.11	1194.71	293.98
3881	23309	97.64	123.27	27.22	44.34	20.28
3589	17727	97.64	66.47	21.69	26.14	9.81

TABLE 5WW: THIOACETAMIDE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
1434	14033	99.21	657.5	45.17	340.83	96.71
3864	17653	99.21	184.86	14.68	61.06	28.41
3223	23711	98.94	725.5	141.34	182.48	278.34
1578	5697	98.94	408.44	41.69	154.97	66.96
1540	7913	98.89	430.86	36.33	165.15	71.3
3557	19992	98.86	1063.44	29.45	622.08	218.35
496	13686	98.86	131.19	18.26	43.75	16.88
713	12210	98.76	1207.31	226.89	317.64	175.58
901	402	98.76	2738.68	219.57	1203.66	413.33
1155	3302	98.73	555.73	33.15	260.67	89.07
1358	6919	98.73	2443.06	403.63	340.51	279.53
2541	17172	98.7	318.24	16.8	204.88	39.61
970	23478	98.7	85.85	3.84	37.64	20.59
227	6295	98.65	3057.72	331.89	1088.56	429.31
3054	1410	98.65	146.5	8.13	27.22	42.13
197	22175	98.6	327.26	59.09	77.47	55.13
1661	8715	98.6	4062.32	342.15	1559.9	641.28
1994	2060	98.6	137.82	6.76	62.58	24.74
761	4067	98.54	282.16	15.48	176.71	122.38
3083	20744	98.52	1548.32	105.8	346.04	299.28
963	23750	98.49	97.94	3.2	47.02	28.62
3557	19994	98.44	302.28	18.1	164.03	76.03
4164	957	98.38	157.56	4.21	95.44	47.14
2588	20350	98.33	403.71	17.74	236.11	65.24
1261	11728	98.33	712.9	33.05	194.94	226.91
2175	22906	98.33	2347.54	257.33	558.52	418.61
1658	18322	98.31	376.94	26.51	121.96	187.04
2094	17529	98.2	143.91	0.7	136.78	40.63
1132	3152	98.17	184.67	64.82	47.09	27.21
3625	18597	98.17	337.73	10.53	605.84	200.75
3444	24321	98.15	484.02	15.29	801.22	261.81
4287	20426	98.12	125.32	3.41	74.1	29.77
3556	22282	98.07	54.4	1.69	94.36	29.71
3879	5493	98.04	104.11	5.25	54.28	64.2
1022	5989	98.04	337	12.1	208.51	64.75
4205	575	98.04	1778.97	102.98	903.5	308.08

2883	1921	97.99	623.54	39.08	214.75	167.5
1296	2193	97.93	87.12	5.48	42.51	29.58
1042	23541	97.91	226.55	16.9	84.28	68.97
3314	17740	97.88	2637.74	34.48	2197.29	958.37
3653	5496	97.88	887.74	51.96	491.86	154.79
1603	18172	97.85	185.36	57.51	43.84	39.4
1160	3346	97.83	63.47	3.27	28.75	28.16
2815	25934	97.8	67.64	2.96	38.72	17.94
1394	13920	97.8	109.15	3.09	67.33	23.82
2267	7975	97.75	563.04	49.8	364.99	71.85
3704	10176	97.64	310.81	6.2	441.18	99
1280	949	97.62	307.72	40.89	110.91	58.36
3516	23606	97.62	1111.88	158.29	405.22	222.56
3099	172	97.59	81.43	10.88	28.49	22.11
4204	173	97.48	272.67	14.77	111.97	80.97
964	19143	97.48	835.62	74.9	457.19	141.76
2173	2261	97.46	96.06	15.71	32.65	21.47
3424	18727	97.46	1451.99	42.38	762.41	382.24
1084	24166	97.46	496.34	5.85	374.73	102.01
4121	18301	97.46	466.85	88.21	147.28	93.63
299	3925	97.46	457.08	9.64	817.58	303.37
2313	2825	97.43	77.42	2.35	43.84	32.85
4121	18302	97.43	721.15	177.54	145.87	135.6
1000	17844	97.4	271.49	9.18	182.97	93.69
146	6698	97.38	74.93	3.59	48.72	14.81
336	21856	97.35	21.23	6.23	92.03	48.03
230	6297	97.35	388.09	52.22	215.96	59.88
1361	6927	97.33	707.5	66.6	399.23	121.27
3458	10369	97.3	307.41	25.82	175.12	59.36
3800	21708	97.27	118.43	4.79	62.22	28.41
1046	5952	97.25	303.32	45.57	106.72	106.58
698	4674	97.25	127.41	50.69	550.43	207.09
1860	1440	97.25	87.43	3.87	49.47	21.5
3050	25467	97.25	573.12	11.17	366.83	173.81
4086	347	97.17	43.49	1.63	25.09	15.28
1179	3526	97.17	103.07	7.02	170.13	45.01
983	23268	97.17	148.43	4.87	231.59	65.24
4075	25066	97.14	281.73	16.19	158.83	65.39
3809	23305	97.14	188.34	17.21	91.84	45.85
3719	15267	97.14	80.97	7.26	38.37	16.47
3084	16025	97.11	111.36	15.79	49.55	25.83
1272	13009	97.06	236.49	40.71	118.74	45.99
1518	23273	97.06	236.23	21.37	143.44	45.43
2756	18303	97.06	3010.9	700.83	843.77	661.03
2186	21467	97.06	2398.88	33.26	1604.12	770.42
3929	16769	97.03	225.38	8.31	125.56	62.1
3214	13282	97.03	303.53	3.16	224.72	78.2
3127	24722	97.01	507.33	27.79	823.73	217.06
2184	3114	96.98	96.51	5.93	57.04	28.69
2210	13678	96.98	82	5.95	34.39	23.32
1094	2486	96.98	322.56	8.42	519.36	165.18
2860	9029	96.9	261.18	4.55	379.94	189.57
1344	15644	96.88	2072.1	206.07	1368.64	388.7

1598	10053	96.88	119.32	25.76	37.53	29.92
4260	1877	96.85	390.68	29.09	696.8	186.01
995	23272	96.85	568.08	34.76	356.77	89.85
4015	9775	96.82	415.24	84.96	129.82	108.28
1270	4063	96.82	317.93	43.41	80.5	101.28
1545	7961	96.77	48.48	3.88	22.74	14.19
3267	20649	96.77	2616.76	245.94	1501.89	429.3
2025	18343	96.77	274.86	3.44	226.41	52.47
883	5138	96.77	82.11	3.48	135.56	52.22
1101	2569	96.77	443.32	42.77	908.74	290.05
4209	25087	96.74	234.24	17.89	98.66	75.52
1370	15679	96.74	332.61	37.51	162.36	66.6
2937	1264	96.72	4840.33	136.28	4274.31	3339.21
3984	23166	96.72	248.02	7.48	176.15	68.62
4201	21152	96.72	4311.6	122.74	3592.28	2478.11
3145	21729	96.69	838.77	17.53	645.24	336.16
3098	6055	96.66	1582.19	101.2	1088.08	232.03
624	1552	96.58	872.01	28.99	584.3	214.07
4217	1899	96.53	141.52	13.79	52.94	36.07
3608	19161	96.48	1286.6	11.72	1370.55	354.22
3084	16024	96.48	166.11	17.66	94.98	31.82
3863	15642	96.45	510.86	31.54	376.27	160.6
3653	5497	96.4	1004.23	60.06	641.58	187.94
3942	10660	96.37	48.34	3.3	31.03	16.56
3978	25475	96.37	800.05	64.81	437.68	160.96
3357	5619	96.27	908.34	71.01	429.63	223.18
4284	1146	96.24	40.39	5.42	21.23	14.04
3879	5492	96.21	90.7	14.68	36.26	63.06
4003	17549	96.19	642.18	5.22	656.62	147.71
2853	179	96.13	293.05	58.05	144.24	47.56
2824	2434	96.13	50.76	2.45	30.43	12.92
67	20998	96.11	1137.43	12	1247.1	337.46
3778	16125	96.08	33.41	7.15	93.97	39.37
1241	20741	96.05	64.24	8.85	22.08	30.26
2927	1869	96.05	1449.62	19.15	1265.87	351.34
3697	15840	95.92	77.13	17.71	33.84	16.01
4142	25607	95.92	440.87	149.91	100.34	123.47
394	21707	95.87	89.47	11.87	41.19	52.85
4044	20784	95.87	338.56	5.45	391.6	143.84
341	24161	95.79	286.36	15.21	460.38	124.58
3062	15677	95.76	455.72	78.28	242.76	121.7
4146	1439	95.71	188.19	5.6	133.71	39.78
2844	5050	95.66	66.35	2.92	48.16	27.96
3651	1920	95.66	880.51	88.13	441.38	270.77
3651	1919	95.55	552.79	73.16	244.58	184.3
3691	15864	95.55	89.92	5.91	160.96	51.32
536	14595	95.5	180.94	34.32	67.91	82.77
3169	16708	95.47	662.98	64.31	446.82	94.5
3982	15190	95.39	4150.22	342.24	1836.02	1715.16
2211	22823	95.39	322.64	7.29	426.99	112.39
3257	3202	95.31	353.34	33.1	231.77	103.74
3253	6598	95.29	342.94	23.52	183.34	85.07
21	18290	95.29	49.85	11.27	21.26	21.72

49	11314	95.29	166.31	22.46	98.91	30.76
3963	17337	95.21	48.66	2.17	38.01	65.95
2818	14606	95.21	54.87	2.01	41.73	19.48
2803	5545	95.18	1594.11	22.96	1489.58	574.68
3599	15202	95.15	412.68	16.83	656.22	555.07
3446	23782	95.07	131.48	1.6	123.95	33.42
3616	15489	95.07	53.9	1.48	76.52	23.8
4226	18611	95.07	843.72	26.72	1142.02	541.84
554	18209	95.05	109.88	3.95	68.77	36.1
3746	13164	94.99	4041.66	216.73	3793.34	2473.05
416	17742	94.97	2070.82	62.01	2010.62	694.86
2206	15191	94.94	3269.16	461.53	1217.54	1330.78
1990	5232	94.92	139.31	8.96	254.75	89.75
3733	25529	94.89	49.13	8.01	21.73	13.23
3677	12052	94.84	334.46	24.61	211.24	89.04
3241	15613	94.81	503.45	47.38	1181.78	811.56
3617	17379	94.81	276.94	40.14	118.12	70.96
4164	958	94.81	453.27	39.94	299.45	137.37
23	17613	94.78	387.9	14.41	306.86	126.56
3885	8592	94.78	264.37	9.68	376.87	132.8
3531	8269	94.73	1731.24	296.01	694.46	446.84
3006	25430	94.73	853.41	25.21	619.73	179.59
521	22862	94.73	166.89	67.9	454.93	165.51
4230	25705	94.7	582.13	11.24	743.76	198.88
4263	11260	94.7	166.95	11.81	96.22	39.99
3103	9424	94.68	1294.97	49.61	1013.46	383.65

TABLE 5XX: VALPROATE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 96 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox_SD	NonTox Mean	NonTox_SD
3058	23698	98.01	864.57	65.18	356.84	407.18
3270	18958	96.87	569.08	66.29	324.63	126.12
3958	17758	96.05	669.19	104.13	362.17	375.48
4192	20715	94.69	946.4	153.83	382.07	430.47
738	20711	94.67	402.29	88.77	134.67	205.03
2063	12698	94.62	163.34	13.48	76.21	235.64
1886	18742	94.48	550.44	80.52	344.76	188.73
2325	5887	94.46	164.28	47.66	68.45	138.61
2487	14450	94.38	188.2	15.06	102.8	51.9
3168	16721	94.27	408.48	63.51	259.65	73.63
1554	5465	94.22	1185.16	117.95	776.33	205.36
3587	21094	94.14	511.07	89.17	232.22	144.38
914	22604	93.98	1957.85	349.17	1027.72	469.57
2770	14937	93.74	195.36	28.59	119.35	36.98
3102	18637	93.66	1062.08	136.08	2019.61	623.11
3929	16768	93.61	708.87	45.34	494.16	162.55
349	12829	93.37	535.03	45.99	379.35	90.31
499	17289	93.34	223.5	29.48	124.16	77.25
3335	26109	93.32	478.76	128.18	146.1	264.1
3946	19613	93.24	2484.11	155.65	1860.71	485.38



1673	24372	93.21	220.5	21.54	140.4	43.76
2725	14887	93.16	101.8	8.43	294.94	248.64
3335	18687	93.08	1073.99	196.89	660.51	590.16
358	14191	93.08	116.01	14.38	68.03	26.34
2840	18686	93.05	1263.89	201.14	706.02	613.73
233	19433	92.79	231.66	53.54	107.01	119.22
347	6345	92.76	351.14	46.93	230.34	62.46
2996	25412	92.73	29.28	7.08	68.98	31.68
1949	9192	92.6	808.14	104.63	1627.81	666.43
2137	2140	92.57	163.54	17.96	92.56	59.3
749	18780	92.44	87.19	4.42	62.98	25.42
2682	5316	92.36	140.52	56.6	342.33	116.25
1162	3362	92.15	39.32	11.72	91.85	36.85
2724	12964	92.12	388.64	33.77	236.19	94.18
3101	18636	92.07	1077.28	301.99	2662.77	1037.67
3146	17992	92.07	144.02	35.41	77.48	53.64
2520	20846	91.99	1508.64	204.46	2740.07	862.43
3957	15637	91.99	112.28	17.02	74.85	25.76
3909	21842	91.96	724.51	39.31	562.74	295.62
3177	6107	91.94	141.47	25.19	92.73	56.32
220	10157	91.86	914.83	66.38	644.19	210.59
3929	16767	91.86	866.2	77.34	604.77	198.12
3295	17107	91.83	1219.63	250.98	2469.03	845.35
297	21773	91.75	120.06	7.34	91.08	45.87
2300	6502	91.75	551.97	21.82	459.49	122.37
1267	15849	91.59	278.55	37.16	181.8	121.4
685	4196	91.59	148.41	21.26	86.16	93.88
3092	25204	91.51	815.06	116.69	529.94	172.12
2731	1689	91.49	1533.21	844.23	4872.17	2250.97
1683	9767	91.46	20.12	1.96	34.7	21.52
88	16420	91.43	702.05	35.62	557.06	113.3
982	12407	91.38	92.94	8.53	33.14	62.02
1175	24094	91.33	1161.19	95.45	893.26	165.34
1774	2220	91.3	21.85	16.64	93.24	44.49
2557	22542	91.22	1210.34	316.06	3415.02	1417.06
556	13647	91.22	1285.75	86.85	1021.37	339.25
3936	4956	91.17	145.82	8.43	128.28	73.69
4125	368	91.17	52.04	9.44	29.77	33.47
2659	21156	91.17	1398.49	277.03	5101.55	2988.09
1345	3534	91.14	115.08	4.62	147.25	58.63
1491	7502	91.11	572.44	169.15	292.86	183.92
2916	18638	91.03	1417.12	287.44	2730.97	848.83
1222	19649	91.03	124.41	12	84.3	25.26
1911	4914	91.03	710.48	74.36	479.7	151.09
494	17256	90.98	758.5	41.74	533.6	181.14
375	15172	90.95	130.63	57.41	355.29	216.33
3775	9307	90.93	1856.33	421.49	6268.95	3322.8
934	2671	90.88	166.52	17.03	116.46	44.16
4105	1949	90.82	93.2	7.38	63.26	32.26
3792	21941	90.8	540.12	16.29	461.77	110.52
2297	19720	90.8	1016.28	250.22	3549.5	1897.3
2429	18612	90.74	117.59	5.93	101.76	38.81
2605	17240	90.72	1591.23	264.31	3690.66	1526.24

3693	17941	90.72	1705.16	340.78	3541.35	1239.21
2147	11623	90.69	1585.18	420.93	3572.83	1414.16
1963	14459	90.64	1664.5	333.83	4372.25	2008.92
4242	25725	90.64	201.61	18.87	142.54	63.66
1324	19358	90.56	335.41	234.58	1034.34	444.03
2390	7460	90.56	1447.28	503.16	8376.31	5711.12
3511	17809	90.5	63.61	6.35	43.17	20.4
1633	8285	90.48	65.26	2.84	64.85	30.14
2256	16175	90.42	1734.36	450.11	3006.78	797.96
1397	17654	90.4	527.63	37.95	357.17	165.34
1582	5712	90.4	57.55	9.67	117.5	53.07
2614	15107	90.4	685.72	260.22	3951.42	2643.29
1784	11213	90.37	1104.28	35.89	1088.32	262.5
348	12729	90.34	76.66	12.1	29.95	88.53
1901	16718	90.34	484.99	118.18	1026.56	426.88
2534	22379	90.34	251.56	47.06	472.98	216.64
2914	9597	90.32	769.59	317.08	2903.6	1782.33
2008	24162	90.32	1035.37	45.75	1215.11	343.73
2372	6455	90.24	1919.19	323.32	3670.12	1300.74
2564	21242	90.24	590.38	79.78	388.78	129.01
1475	6277	90.13	469.67	25.49	382.45	89.67
2033	8213	90.05	1605.76	284.59	3449.73	1392.56
2197	20823	90.03	2271.06	461.65	4078.81	1322.22
4010	1301	90	710.94	159.69	1379.87	963.99
460	15638	89.97	70.36	11.43	37.54	26.17
2199	18936	89.92	965.06	136.66	1618.56	474.65
206	6329	89.92	1498.01	311.83	4964.46	2759.61
3891	15408	89.87	496.5	105.27	291.8	164.86
4059	18457	89.76	240.8	32.56	153.91	54.94
3830	18628	89.6	907.41	117.56	1450.82	395.72
662	7637	89.51	73.34	27.64	29.36	14.81
3518	18630	89.5	43.93	7.32	28.84	19.07
3682	20724	89.42	129.06	13.73	84.89	33.2
4249	1391	89.36	137.56	11.95	97.71	30.33
3306	9124	89.34	485.07	50.76	377	101.38
3265	6653	89.28	830.4	93.61	600.19	144.19
68	14504	89.23	193.86	27.28	143.51	178.6
442	15340	89.06	69.9	15.13	41.14	10.49
3466	13480	88.97	943.91	57.53	727.01	183.71
2970	31	88.97	491.78	51.48	336.52	102.2
3584	6912	88.91	287.28	41.05	192.94	64.6
4260	1877	88.91	915.58	61.13	695.34	186.18
3270	18957	88.67	669.41	87.85	370.05	148.77
2850	1728	88.65	319.76	41.83	250.03	114.42
4092	15462	88.65	688.54	39.2	544.83	120.31
499	17290	88.61	342.44	109.85	176.04	95.2
147	2830	88.53	480.81	74.77	302.61	68.84
419	15980	88.51	87.93	7.82	63.44	23.3
4291	1542	88.51	333.53	54.06	227.68	86.93
4032	25644	88.49	526.27	60.01	339.06	180.51
4280	853	88.41	826.1	151.31	454.81	238.58
3061	17787	88.36	635.52	51.97	1566.79	1003.66
2925	17284	88.2	252.62	24.41	184.06	54.85

2952	107	88.19	326.08	81.64	129.2	72
3081	17237	88.19	384.32	80.65	229.17	60.98
3555	9929	88.06	844.74	76.52	671.49	182.55
3795	21424	88.04	660.38	72.95	492.38	123.46
3686	14953	87.98	488.75	46.12	387.24	80.16
2949	3549	87.93	275.64	34.39	201.23	82.02
3248	15621	87.76	566.49	83.33	369.32	89.2
3000	14881	87.75	1044.64	138.55	1704.91	636.28
4087	40	87.69	510.83	67.57	362.72	186.44
4242	16780	87.47	505.81	68.58	309.18	111.74
2734	17571	87.37	292.38	39.42	228.41	57.78
3734	25468	87.35	801.88	493.93	2330.1	1100.94
638	2480	87.32	312.02	28.4	234.99	74.25
2992	20714	87.29	834.07	204.49	567.74	703.63
3090	4449	87.24	331.63	39.44	238.4	93.3
3114	20776	87.24	44.07	5.91	29.47	12.54
3002	20481	87.23	175.64	48.93	96.78	34.85
3404	20057	87.18	268.06	63.12	139.68	54.54
2838	14882	87.08	849.4	143.25	1301.88	416.62
3030	64	87.07	241.43	61.1	134.1	43.68
76	23203	87.05	185.72	51.14	102.53	42.82
3306	9125	87	672.86	23.21	636.51	138.72
147	2831	86.94	406.28	112.72	249.86	81.54
3734	25469	86.84	623.21	308.3	1632.67	752.14
4115	317	86.71	30.87	3.51	44	20.66
3082	4573	86.63	991.46	117.12	1270.18	234.31
2972	1695	86.5	20.99	9.06	58.33	36.53
3117	24707	86.39	858.13	96.24	1262.15	456.36
588	12118	86.39	128.64	30.31	270.14	191.82
3355	16227	86.37	92.61	7.47	124.84	65.08
1243	20133	86.34	58.33	2.78	53.93	35.7
1217	1058	86.31	293.74	39.68	231.15	142.22
3079	16895	86.29	981.29	178.8	1714.67	560.79
3461	17161	86.21	921.52	109.1	787.54	372.15
4219	670	86.21	912.89	115.96	1208.83	267.82
35	11353	86.2	139.69	41.19	92.3	33.81
4179	9841	86.18	1573.12	179.4	2171.05	563.5
2899	4360	86.05	126.15	41.6	264.82	128.89
3240	21078	86.02	893.7	55.83	737.66	215.48
3785	12496	85.92	108.37	13.93	76.33	29.99
96	17187	85.91	59.95	13.03	31.54	17.07
3278	4392	85.86	1356.7	232.83	2202.58	661.19
4173	1359	85.85	194.12	42.29	122.69	33.72
4137	746	85.84	31.64	12.59	125.53	81.76

**TABLE 5YY: VALPROATE**

**Attorney Docket 44921-5038-01-WO**

**Timepoint(s): 24, 96 hrs**

**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3958	17758	96.05	669.19	104.13	362.17	375.48
3168	16721	94.27	408.48	63.51	259.65	73.63

349	12829	93.37	535.03	45.99	379.35	90.31
3335	26109	93.32	478.76	128.18	146.1	264.1
3335	18687	93.08	1073.99	196.89	660.51	590.16
2840	18686	93.05	1263.89	201.14	706.02	613.73
233	19433	92.79	231.66	53.54	107.01	119.22
347	6345	92.76	351.14	46.93	230.34	62.46
1949	9192	92.6	808.14	104.63	1627.81	666.43
2682	5316	92.36	140.52	56.6	342.33	116.25
2724	12964	92.12	388.64	33.77	236.19	94.18
3146	17992	92.07	144.02	35.41	77.48	53.64
3101	18636	92.07	1077.28	301.99	2662.77	1037.67
2520	20846	91.99	1508.64	204.46	2740.07	862.43
3177	6107	91.94	141.47	25.19	92.73	56.32
3929	16767	91.86	866.2	77.34	604.77	198.12
220	10157	91.86	914.83	66.38	644.19	210.59
3295	17107	91.83	1219.63	250.98	2469.03	845.35
1267	15849	91.59	278.55	37.16	181.8	121.4
2731	1689	91.49	1533.21	844.23	4872.17	2250.97
1683	9767	91.46	20.12	1.96	34.7	21.52
1774	2220	91.3	21.85	16.64	93.24	44.49
556	13647	91.22	1285.75	86.85	1021.37	339.25
2557	22542	91.22	1210.34	316.06	3415.02	1417.06
2659	21156	91.17	1398.49	277.03	5101.55	2988.09
4125	368	91.17	52.04	9.44	29.77	33.47
3936	4956	91.17	145.82	8.43	128.28	73.69
1345	3534	91.14	115.08	4.62	147.25	58.63
1222	19649	91.03	124.41	12	84.3	25.26
2916	18638	91.03	1417.12	287.44	2730.97	848.83
375	15172	90.95	130.63	57.41	355.29	216.33
3775	9307	90.93	1856.33	421.49	6268.95	3322.8
934	2671	90.88	166.52	17.03	116.46	44.16
4105	1949	90.82	93.2	7.38	63.26	32.26
2297	19720	90.8	1016.28	250.22	3549.5	1897.3
2429	18612	90.74	117.59	5.93	101.76	38.81
3693	17941	90.72	1705.16	340.78	3541.35	1239.21
2605	17240	90.72	1591.23	264.31	3690.66	1526.24
2147	11623	90.69	1585.18	420.93	3572.83	1414.16
1963	14459	90.64	1664.5	333.83	4372.25	2008.92
2390	7460	90.56	1447.28	503.16	8376.31	5711.12
1324	19358	90.56	335.41	234.58	1034.34	444.03
3511	17809	90.5	63.61	6.35	43.17	20.4
2256	16175	90.42	1734.36	450.11	3006.78	797.96
2614	15107	90.4	685.72	260.22	3951.42	2643.29
1582	5712	90.4	57.55	9.67	117.5	53.07
1901	16718	90.34	484.99	118.18	1026.56	426.88
2008	24162	90.32	1035.37	45.75	1215.11	343.73
2914	9597	90.32	769.59	317.08	2903.6	1782.33
2564	21242	90.24	590.38	79.78	388.78	129.01
2372	6455	90.24	1919.19	323.32	3670.12	1300.74
2033	8213	90.05	1605.76	284.59	3449.73	1392.56
2197	20823	90.03	2271.06	461.65	4078.81	1322.22
460	15638	89.97	70.36	11.43	37.54	26.17
206	6329	89.92	1498.01	311.83	4964.46	2759.61

2199	18936	89.92	965.06	136.66	1618.56	474.65
3891	15408	89.87	496.5	105.27	291.8	164.86
3959	19384	89.81	1231.64	185.84	2639.3	1353.84
203	576	89.81	1989.75	480.88	5070.57	2322.75
3753	14042	89.76	1447.11	488.97	8030.24	5338.27
4059	18457	89.76	240.8	32.56	153.91	54.94
158	3476	89.76	79.91	18.88	28.04	43.14
3892	17391	89.76	2008.07	337.17	2374.79	1766.76
2301	14561	89.68	124.89	11.69	181.53	57.96
2053	19884	89.66	2138.86	333.83	5272.04	2646.9
1369	13296	89.6	144.15	16.97	94.75	54.33
3830	18628	89.6	907.41	117.56	1450.82	395.72
2349	19427	89.55	1358.77	206.78	3992.97	2472.28
2036	5954	89.55	2109.39	395.87	3641.67	1154.01
1858	16915	89.55	1933.65	374.05	5652.26	3070.22
662	7637	89.51	73.34	27.64	29.36	14.81
3518	18630	89.5	43.93	7.32	28.84	19.07
236	230	89.47	1634.63	359.74	3128.37	1037.43
302	2103	89.44	1292.91	346.45	2439.52	1122.41
3682	20724	89.42	129.06	13.73	84.89	33.2
2416	14540	89.42	502.81	142.08	1231.83	485.31
3830	19827	89.39	770	213.42	1855.83	785.06
4249	1391	89.36	137.56	11.95	97.71	30.33
2597	11190	89.36	271.67	12.89	236.6	83.37
154	6001	89.36	203.57	15.3	187.49	99.46
3306	9124	89.34	485.07	50.76	377	101.38
993	12426	89.33	188.17	106.67	25.52	58.19
793	4271	89.33	313.16	92.08	59.04	134.42
2551	17144	89.28	1486.63	273.26	4746.29	2999.63
3265	6653	89.28	830.4	93.61	600.19	144.19
68	14504	89.23	193.86	27.28	143.51	178.6
2054	11585	89.23	229.71	29.55	368.66	109.19
2073	18905	89.2	840.58	134.95	1259.96	289.72
362	18765	89.15	1805.18	366.77	2858.43	864.44
1712	9735	89.15	184.31	7.42	170.61	55.8
1529	18002	89.15	1522.4	140.08	2314.39	800.74
1834	1807	89.1	1778.27	388.13	4614.36	2631.62
442	15340	89.06	69.9	15.13	41.14	10.49
3690	22828	89.05	53.75	13.31	22.37	34.14
2355	16656	89.02	210.26	41.9	345.35	95.64
2316	21224	89.02	251.69	23.29	184.47	52.29
1473	7214	89.02	150.91	10.31	121.88	62.76
2970	31	88.97	491.78	51.48	336.52	102.2
3466	13480	88.97	943.91	57.53	727.01	183.71
3584	6912	88.91	287.28	41.05	192.94	64.6
4260	1877	88.91	915.58	61.13	695.34	186.18
262	2056	88.91	55.51	5.67	32.79	23.14
3270	18957	88.67	669.41	87.85	370.05	148.77
2850	1728	88.65	319.76	41.83	250.03	114.42
4092	15462	88.65	688.54	39.2	544.83	120.31
499	17290	88.61	342.44	109.85	176.04	95.2
147	2830	88.53	480.81	74.77	302.61	68.84
419	15980	88.51	87.93	7.82	63.44	23.3

4291	1542	88.51	333.53	54.06	227.68	86.93
4032	25644	88.49	526.27	60.01	339.06	180.51
4280	853	88.41	826.1	151.31	454.81	238.58
3061	17787	88.36	635.52	51.97	1566.79	1003.66
2925	17284	88.2	252.62	24.41	184.06	54.85
2952	107	88.19	326.08	81.64	129.2	72
3081	17237	88.19	384.32	80.65	229.17	60.98
3555	9929	88.06	844.74	76.52	671.49	182.55
3795	21424	88.04	660.38	72.95	492.38	123.46
3686	14953	87.98	488.75	46.12	387.24	80.16
2949	3549	87.93	275.64	34.39	201.23	82.02
3248	15621	87.76	566.49	83.33	369.32	89.2
3000	14881	87.75	1044.64	138.55	1704.91	636.28
4087	40	87.69	510.83	67.57	362.72	186.44
4242	16780	87.47	505.81	68.58	309.18	111.74
2734	17571	87.37	292.38	39.42	228.41	57.78
3734	25468	87.35	801.88	493.93	2330.1	1100.94
638	2480	87.32	312.02	28.4	234.99	74.25
2992	20714	87.29	834.07	204.49	567.74	703.63
3090	4449	87.24	331.63	39.44	238.4	93.3
3114	20776	87.24	44.07	5.91	29.47	12.54
3002	20481	87.23	175.64	48.93	96.78	34.85
3404	20057	87.18	268.06	63.12	139.68	54.54
2838	14882	87.08	849.4	143.25	1301.88	416.62
3030	64	87.07	241.43	61.1	134.1	43.68
76	23203	87.05	185.72	51.14	102.53	42.82
3306	9125	87	672.86	23.21	636.51	138.72
147	2831	86.94	406.28	112.72	249.86	81.54
3734	25469	86.84	623.21	308.3	1632.67	752.14
4115	317	86.71	30.87	3.51	44	20.66
3082	4573	86.63	991.46	117.12	1270.18	234.31
2972	1695	86.5	20.99	9.06	58.33	36.53
3117	24707	86.39	858.13	96.24	1262.15	456.36
588	12118	86.39	128.64	30.31	270.14	191.82
3355	16227	86.37	92.61	7.47	124.84	65.08
1243	20133	86.34	58.33	2.78	53.93	35.7
1217	1058	86.31	293.74	39.68	231.15	142.22
3079	16895	86.29	981.29	178.8	1714.67	560.79
3461	17161	86.21	921.52	109.1	787.54	372.15
4219	670	86.21	912.89	115.96	1208.83	267.82
35	11353	86.2	139.69	41.19	92.3	33.81
4179	9841	86.18	1573.12	179.4	2171.05	563.5
2899	4360	86.05	126.15	41.6	264.82	128.89
3240	21078	86.02	893.7	55.83	737.66	215.48
3785	12496	85.92	108.37	13.93	76.33	29.99
96	17187	85.91	59.95	13.03	31.54	17.07
3278	4392	85.86	1356.7	232.83	2202.58	661.19
4173	1359	85.85	194.12	42.29	122.69	33.72
3255	17807	85.84	1121.63	212.64	2051.02	728.09
4137	746	85.84	31.64	12.59	125.53	81.76
3493	20762	85.8	108.41	21.89	71.3	19.6
3099	172	85.78	28.91	3.05	28.6	22.27
3709	16535	85.73	783.21	62.31	1179.13	436.73

3324	5749	85.62	272.46	36.76	197.2	85.52
3510	17757	85.59	123.09	26.53	69.35	27.49
3728	12299	85.57	818.25	125.16	1162.99	301.27
4194	20597	85.54	1074.36	211.93	1853.72	668.77
4080	16131	85.49	1490.04	139.8	2034.25	935.42
3340	17516	85.46	374.19	74.96	249.72	78.9
3161	17306	85.44	1187.09	358.14	2604.43	1272.93
144	10623	85.41	680.84	84.92	1105.32	503.99
3740	25024	85.36	898.49	145.44	1409.02	555.09
3119	10622	85.33	926.52	116.8	1557.32	699.47
3473	8212	85.33	1180.62	164.64	1984.01	731.18

TABLE 5ZZ: VALPROATE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2393	23262	99.87	159.96	10.77	47.61	16.47
3586	15886	99.81	411.58	7.61	207.21	58.54
884	12228	99.76	351.58	43.32	81.87	56.7
675	19120	99.74	97.16	4.58	22.46	16.56
2623	19655	99.68	211.96	11.1	81.02	32.38
663	17953	99.63	354.46	11.66	157.25	45.88
1792	7051	99.6	124.41	23.53	37.62	14.55
2587	8709	99.6	77.41	20.48	272.97	70.72
868	8321	99.58	458.46	50.15	155.46	50.59
4295	26099	99.58	236.18	48.08	65.78	23.75
595	17332	99.58	130.86	11.74	50.81	26.51
92	7947	99.58	207.62	23.69	80.48	35.91
2522	13949	99.58	40.01	5.76	162.56	50.63
1421	5652	99.52	106.78	19.76	281.58	73.2
440	15713	99.52	110.44	15.62	42.46	23.13
644	3465	99.52	143.57	15.46	49.14	23.07
1719	9800	99.52	317.62	13.39	97.1	61.97
2410	22901	99.5	241.2	46.46	64.58	17.22
2057	17778	99.47	199.26	33.86	74.87	51.83
3726	21810	99.47	147.37	14.16	53.35	19.43
1810	15515	99.44	213.97	19.3	456.58	82.77
2244	6861	99.42	344.93	34.39	170.07	37.46
647	4544	99.42	127.46	11.71	49.35	17.58
540	11384	99.42	81.04	8.11	29.42	10.66
3084	16026	99.36	335.99	91.87	63.55	25.22
528	2107	99.36	324.02	67.87	95.61	43.07
1498	2108	99.36	336.51	41.51	127.48	48.12
2446	23824	99.34	210.41	16.64	118.99	35.7
2389	24368	99.34	528.11	68.97	166.8	68.59
2728	5052	99.34	794.36	72.73	2114.44	590.03
2276	14275	99.28	302.31	61.12	113.48	24.81
2456	11527	99.28	160.41	6.29	59.07	42.52
980	23557	99.28	185.79	19.06	61.77	30.07
4250	602	99.28	99.91	22.88	23.71	17.29
2430	22106	99.28	259.48	8.56	146.46	39.4

3070	4467	99.26	166.52	20.43	56.02	112.2
2065	10593	99.26	285.77	54.75	87.35	41.57
1809	17510	99.26	101.25	8.57	215.92	52.85
3772	9573	99.26	355.74	18.81	169.46	50.77
2459	13838	99.26	378.77	22.17	157.9	44.64
4062	25496	99.18	196.46	19.04	89	39.42
880	15476	99.18	363.23	24.05	149.16	65.17
2311	5381	99.18	307.86	8.85	184.75	47.04
477	21952	99.18	120.36	12.3	48.7	17.16
481	11949	99.18	63.59	7.86	20.25	9.14
2739	6567	99.18	569.39	79.91	177.01	61.27
2751	23081	99.15	65.86	11.2	20.78	19.63
1749	15518	99.15	185.46	23.04	84.75	40.44
531	3847	99.15	88.12	13.12	34.92	19.5
834	22130	99.15	182.93	32.98	38.03	28.06
2179	13490	99.15	162.27	44.5	569.88	149.75
3992	7636	99.15	79.72	11.23	24.76	10.96
1374	7042	99.15	170.97	15.16	79.9	25.83
1101	2569	99.15	368.59	10.54	909.19	289.59
3137	17257	99.15	247.01	35.39	40.48	31.69
301	22518	99.13	114.57	10.37	30.54	46.73
2107	2216	99.13	202.04	22.44	90.48	31.61
1391	18684	99.13	185.78	29.38	66.43	30.14
909	7683	99.1	775.47	114.33	372.95	78.32
1753	9471	99.1	165.46	28.94	55.26	21.11
441	10936	99.1	357.93	16.64	188.26	50.93
2704	14766	99.07	226.04	22.61	502.56	123.95
3759	16018	99.07	134.71	31.95	47.58	30.75
2484	15862	99.05	87.77	12.04	24.57	43.23
3347	17782	99.05	358.53	30.03	168.22	67.23
3523	19669	99.05	165.38	28.55	55	23.23
729	17644	99.02	363.33	49.53	139.25	58.69
4166	2153	99.02	114.29	41.76	27.34	15.47
1668	8808	99.02	85.91	23.6	418.62	111.97
3726	21809	99.02	111.93	21.55	26.02	15.63
3694	17194	98.99	83.25	19.2	22.13	18.11
2305	5921	98.99	215.51	43.51	66.91	30.18
1379	7060	98.97	660.8	111.9	257.81	80.12
248	2324	98.97	181.75	15	79.72	31.42
645	17838	98.97	195.55	17.02	101.43	32.58
3084	16024	98.97	346.79	125.88	94.46	28.67
1158	3332	98.97	239.5	50.79	77.63	40.92
2189	6686	98.97	321.08	39.21	133.95	38.42
1415	2791	98.94	84.63	13.81	197.38	60.31
1367	8966	98.94	413.62	47.42	190.54	62.34
2892	4333	98.94	112.03	6.38	55.18	17.85
2103	14357.	98.94	176.3	34.12	66.77	30.48
549	11982	98.89	403.79	34.77	185.59	56.27
2221	15179	98.86	221.74	31.93	99.82	35.51
1116	2898	98.86	234.55	69.9	38.77	32.27
846	10394	98.86	223.94	54.68	44.28	38.41
1152	16071	98.86	217.29	30.2	78.18	45.01
922	20904	98.83	409.23	35.29	219.64	102.15



447	15888	98.83	447.56	72.86	166.15	140.27
775	10666	98.83	277.17	34.87	570.71	119.24
3137	17258	98.83	272.32	41.83	105.04	31.48
3213	17181	98.81	82.77	13.75	28.5	12.32
1485	3647	98.81	156.85	32.49	57.73	28.45
2658	14190	98.81	105.02	14.48	34.72	16.22
2125	3971	98.81	129.2	14.83	47.55	21.16
662	7637	98.81	126.56	26.28	29.26	14.22
756	5011	98.78	123.8	25.1	49.43	19.65
3084	16025	98.78	282.93	155.41	49.06	21.91
3992	7635	98.78	242.55	27.47	126.64	27.11
3865	18025	98.78	271.79	23.84	122.07	41.26
86	21064	98.68	210.88	55.32	63.76	23.88
3413	15911	98.68	302.58	34.14	133.94	39.68
3908	7595	98.68	141.09	25	60.54	14.66
3682	20724	98.65	209.35	30.18	84.72	32.65
642	4540	98.65	161.75	46.76	56.36	20.77
399	22739	98.62	242.24	26.39	107.18	31.43
2809	19749	98.62	90.09	17.56	32.23	14.31
1242	21957	98.6	309.89	9.03	172.48	52.28
427	15116	98.6	188.3	22.35	86.26	29.52
4061	25495	98.57	176.65	29.34	78.34	33.68
94	18442	98.54	72.39	19.51	27.16	11.67
28	17687	98.44	104.25	12.74	39.5	15.52
2912	4414	98.38	139.81	12.39	66.99	22.52
4258	16725	98.38	66.78	10.34	162.23	46.07
3435	20090	98.36	358.17	112.71	108.92	40.16
2833	23220	98.3	197.68	24.82	84.5	29.72
3575	21801	98.3	191.41	25.44	96.64	22.78
121	21407	98.28	188.48	55.27	50.85	27.48
3482	8597	98.28	175.63	10.05	102.84	33.09
3874	23250	98.28	209.87	12.1	124.75	29.06
4178	1401	98.28	87.71	8.93	43.36	12.81
3016	1843	98.25	98.62	41.23	29.41	16.15
653	3035	98.25	88.17	44.87	26.67	11.75
2817	3787	98.22	54.75	1.97	28.81	11.11
3854	15857	98.22	179.17	37.78	77.35	19.5
479	21905	98.17	91.1	11.38	45.92	12.83
3616	15489	98.17	134.19	6.54	76.32	23.64
2957	1481	98.15	129.77	8.15	58.27	29.62
2908	16524	98.15	75.52	19.53	28.02	10.68
3259	21580	98.12	101.77	21.17	40.13	16.38
77	18400	98.12	146.5	32.63	49.68	24.09
3630	15359	98.09	121.87	15.4	54.81	22.3
3787	15829	98.09	159	59.56	24.75	53.2
3788	11843	98.09	60.93	9.99	30.73	9.99
617	3865	98.09	111.86	18.72	46.23	19.25
4100	22039	98.09	76.96	4.02	40.3	19.16
561	19226	98.07	357.6	47.65	186.16	54.68
3655	14295	98.04	93.13	17.27	30.13	23.6
3016	1844	98.01	368.98	81.85	114.47	62.97
87	4832	97.99	85.2	20.78	35.16	15.85
3327	3253	97.96	286.87	14.72	171.53	52.61

397	22396	97.96	229.43	65.13	98.81	27.9
643	22150	97.96	167.27	20.26	82.56	27.96
649	12028	97.96	66.8	18.03	22.08	10.28
3624	15662	97.93	82.56	9.91	36.56	49.45
2846	19053	97.93	72.78	13.91	28.14	54.44
28	17688	97.93	145.07	20.59	55.81	29.42
49	11314	97.93	237.45	55.64	98.69	30
476	21951	97.93	227	30.63	104.69	33.99
2817	3788	97.93	72.12	6.02	35.71	12.63
3009	1580	97.91	88.88	14.84	24.77	25.2
661	2192	97.91	140.85	60.48	38.85	20.13
4293	8664	97.85	77.55	10.77	46.67	200.12
3525	21491	97.8	170.35	23.28	79.46	23.14
4041	10544	97.8	420.34	40.99	179.2	70.52
600	17590	97.8	279.39	39.93	105.9	45.96
3588	20899	97.8	181.9	39.69	69.04	23.76
3657	24235	97.77	672.88	64.31	328.94	168.73
3297	20702	97.77	134.07	14.12	49.97	39.93
563	4495	97.72	140.91	10.51	68.26	26.43

TABLE 5AAA: VALPROATE				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
2393	23262	99.87	159.96	10.77	47.61	16.47
3586	15886	99.81	411.58	7.61	207.21	58.54
884	12228	99.76	351.58	43.32	81.87	56.7
675	19120	99.74	97.16	4.58	22.46	16.56
2623	19655	99.68	211.96	11.1	81.02	32.38
663	17953	99.63	354.46	11.66	157.25	45.88
1792	7051	99.6	124.41	23.53	37.62	14.55
92	7947	99.58	207.62	23.69	80.48	35.91
595	17332	99.58	130.86	11.74	50.81	26.51
4295	26099	99.58	236.18	48.08	65.78	23.75
868	8321	99.58	458.46	50.15	155.46	50.59
644	3465	99.52	143.57	15.46	49.14	23.07
440	15713	99.52	110.44	15.62	42.46	23.13
1421	5652	99.52	106.78	19.76	281.58	73.2
2410	22901	99.5	241.2	46.46	64.58	17.22
3726	21810	99.47	147.37	14.16	53.35	19.43
2057	17778	99.47	199.26	33.86	74.87	51.83
1810	15515	99.44	213.97	19.3	456.58	82.77
540	11384	99.42	81.04	8.11	29.42	10.66
647	4544	99.42	127.46	11.71	49.35	17.58
1498	2108	99.36	336.51	41.51	127.48	48.12
528	2107	99.36	324.02	67.87	95.61	43.07
3084	16026	99.36	335.99	91.87	63.55	25.22
2446	23824	99.34	210.41	16.64	118.99	35.7
2430	22106	99.28	259.48	8.56	146.46	39.4
4250	602	99.28	99.91	22.88	23.71	17.29
980	23557	99.28	185.79	19.06	61.77	30.07

2276	14275	99.28	302.31	61.12	113.48	24.81
3772	9573	99.26	355.74	18.81	169.46	50.77
1809	17510	99.26	101.25	8.57	215.92	52.85
3070	4467	99.26	166.52	20.43	56.02	112.2
2739	6567	99.18	569.39	79.91	177.01	61.27
481	11949	99.18	63.59	7.86	20.25	9.14
477	21952	99.18	120.36	12.3	48.7	17.16
880	15476	99.18	363.23	24.05	149.16	65.17
4062	25496	99.18	196.46	19.04	89	39.42
1374	7042	99.15	170.97	15.16	79.9	25.83
3992	7636	99.15	79.72	11.23	24.76	10.96
2179	13490	99.15	162.27	44.5	569.88	149.75
834	22130	99.15	182.93	32.98	38.03	28.06
531	3847	99.15	88.12	13.12	34.92	19.5
1749	15518	99.15	185.46	23.04	84.75	40.44
2751	23081	99.15	65.86	11.2	20.78	19.63
1391	18684	99.13	185.78	29.38	66.43	30.14
301	22518	99.13	114.57	10.37	30.54	46.73
441	10936	99.1	357.93	16.64	188.26	50.93
1753	9471	99.1	165.46	28.94	55.26	21.11
909	7683	99.1	775.47	114.33	372.95	78.32
3759	16018	99.07	134.71	31.95	47.58	30.75
2704	14766	99.07	226.04	22.61	502.56	123.95
3347	17782	99.05	358.53	30.03	168.22	67.23
2484	15862	99.05	87.77	12.04	24.57	43.23
3726	21809	99.02	111.93	21.55	26.02	15.63
1668	8808	99.02	85.91	23.6	418.62	111.97
4166	2153	99.02	114.29	41.76	27.34	15.47
2305	5921	98.99	215.51	43.51	66.91	30.18
3694	17194	98.99	83.25	19.2	22.13	18.11
1158	3332	98.97	239.5	50.79	77.63	40.92
3084	16024	98.97	346.79	125.88	94.46	28.67
645	17838	98.97	195.55	17.02	101.43	32.58
248	2324	98.97	181.75	15	79.72	31.42
1379	7060	98.97	660.8	111.9	257.81	80.12
2103	14357	98.94	176.3	34.12	66.77	30.48
2892	4333	98.94	112.03	6.38	55.18	17.85
1367	8966	98.94	413.62	47.42	190.54	62.34
1415	2791	98.94	84.63	13.81	197.38	60.31
549	11982	98.89	403.79	34.77	185.59	56.27
1152	16071	98.86	217.29	30.2	78.18	45.01
1116	2898	98.86	234.55	69.9	38.77	32.27
3137	17258	98.83	272.32	41.83	105.04	31.48
775	10666	98.83	277.17	34.87	570.71	119.24
447	15888	98.83	447.56	72.86	166.15	140.27
922	20904	98.83	409.23	35.29	219.64	102.15
662	7637	98.81	126.56	26.28	29.26	14.22
2125	3971	98.81	129.2	14.83	47.55	21.16
2658	14190	98.81	105.02	14.48	34.72	16.22
1485	3647	98.81	156.85	32.49	57.73	28.45
3213	17181	98.81	82.77	13.75	28.5	12.32
3865	18025	98.78	271.79	23.84	122.07	41.26
3992	7635	98.78	242.55	27.47	126.64	27.11

3084	16025	98.78	282.93	155.41	49.06	21.91
756	5011	98.78	123.8	25.1	49.43	19.65
2182	22311	98.75	491.64	195.86	180.43	66.75
2765	22506	98.75	185.7	18.32	86.49	31.5
1407	3957	98.75	349.72	60.3	116.39	51.53
937	11256	98.73	201.82	66.16	33.92	32.41
1368	6995	98.7	48.08	7.57	141.26	47.09
2373	17349	98.7	345.04	34.69	801.16	236.59
1399	2341	98.68	449.28	14.45	260.1	78.69
3413	15911	98.68	302.58	34.14	133.94	39.68
86	21064	98.68	210.88	55.32	63.76	23.88
3908	7595	98.68	141.09	25	60.54	14.66
642	4540	98.65	161.75	46.76	56.36	20.77
3682	20724	98.65	209.35	30.18	84.72	32.65
399	22739	98.62	242.24	26.39	107.18	31.43
1434	14033	98.62	633.79	62.81	340.72	96.63
2809	19749	98.62	90.09	17.56	32.23	14.31
1242	21957	98.6	309.89	9.03	172.48	52.28
427	15116	98.6	188.3	22.35	86.26	29.52
786	20805	98.6	746.66	122.62	356.59	85.62
4061	25495	98.57	176.65	29.34	78.34	33.68
94	18442	98.54	72.39	19.51	27.16	11.67
28	17687	98.44	104.25	12.74	39.5	15.52
2912	4414	98.38	139.81	12.39	66.99	22.52
4258	16725	98.38	66.78	10.34	162.23	46.07
2833	23220	98.3	197.68	24.82	84.5	29.72
3575	21801	98.3	191.41	25.44	96.64	22.78
121	21407	98.28	188.48	55.27	50.85	27.48
3482	8597	98.28	175.63	10.05	102.84	33.09
3874	23250	98.28	209.87	12.1	124.75	29.06
4178	1401	98.28	87.71	8.93	43.36	12.81
3016	1843	98.25	98.62	41.23	29.41	16.15
653	3035	98.25	88.17	44.87	26.67	11.75
2817	3787	98.22	54.75	1.97	28.81	11.11
3854	15857	98.22	179.17	37.78	77.35	19.5
479	21905	98.17	91.1	11.38	45.92	12.83
3616	15489	98.17	134.19	6.54	76.32	23.64
2957	1481	98.15	129.77	8.15	58.27	29.62
2908	16524	98.15	75.52	19.53	28.02	10.68
3259	21580	98.12	101.77	21.17	40.13	16.38
77	18400	98.12	146.5	32.63	49.68	24.09
3630	15359	98.09	121.87	15.4	54.81	22.3
3787	15829	98.09	159	59.56	24.75	53.2
3788	11843	98.09	60.93	9.99	30.73	9.99
617	3865	98.09	111.86	18.72	46.23	19.25
4100	22039	98.09	76.96	4.02	40.3	19.16
561	19226	98.07	357.6	47.65	186.16	54.68
3655	14295	98.04	93.13	17.27	30.13	23.6
3016	1844	98.01	368.98	81.85	114.47	62.97
87	4832	97.99	85.2	20.78	35.16	15.85
3327	3253	97.96	286.87	14.72	171.53	52.61
397	22396	97.96	229.43	65.13	98.81	27.9
643	22150	97.96	167.27	20.26	82.56	27.96

649	12028	97.96	66.8	18.03	22.08	10.28
3624	15662	97.93	82.56	9.91	36.56	49.45
2846	19053	97.93	72.78	13.91	28.14	54.44
28	17688	97.93	145.07	20.59	55.81	29.42
49	11314	97.93	237.45	55.64	98.69	30
476	21951	97.93	227	30.63	104.69	33.99
2817	3788	97.93	72.12	6.02	35.71	12.63
3009	1580	97.91	88.88	14.84	24.77	25.2
661	2192	97.91	140.85	60.48	38.85	20.13
4293	8664	97.85	77.55	10.77	46.67	200.12
3525	21491	97.8	170.35	23.28	79.46	23.14
4041	10544	97.8	420.34	40.99	179.2	70.52
600	17590	97.8	279.39	39.93	105.9	45.96
3588	20899	97.8	181.9	39.69	69.04	23.76
3657	24235	97.77	672.88	64.31	328.94	168.73
3297	20702	97.77	134.07	14.12	49.97	39.93
563	4495	97.72	140.91	10.51	68.26	26.43
3517	24284	97.69	97.76	25.85	30.52	15.92
3575	21802	97.62	87.66	40.89	27.01	15.05

TABLE 5BBB: WY-14643			Attorney Docket 44921-5038-01-WO			
Timepoint(s): 24, 168 hrs			Document No. 1935828.1			
SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
864	22370	99.87	947.8	45.96	264.31	93.61
793	4271	99.73	1158.9	100.94	54.72	111.84
1610	8177	99.71	111.24	21.57	493.76	296.31
3234	20855	99.63	280.45	92.78	34.91	24.75
2528	4272	99.63	574.5	62.02	31.52	65.6
685	4196	99.55	955.21	245.5	82.23	70.39
614	3439	99.52	360.01	42.43	76.56	35.24
1742	9372	99.52	1207.02	88.51	295.61	181.56
3235	397	99.36	340.1	85.84	66.81	33.71
3168	16721	99.31	653.33	70.48	258.32	68.98
3819	18174	99.31	677.01	46.13	319.17	87.57
875	22416	99.31	1007.69	157.15	142.8	82.97
3179	19302	99.31	266.41	30.54	38.19	35.79
2858	3743	99.26	241.75	55.82	58.29	23.31
750	18891	99.23	1266.22	224.6	296.7	155.12
3335	26109	99.2	1308.25	149.8	141.78	252.42
1205	3512	99.12	248.19	42.71	110.06	22.54
3235	20851	99.1	416.55	142.8	65.86	71.7
2325	5887	99.07	1009.76	196.15	64.31	121.89
3270	18956	99.07	339.4	100.37	34.13	24.8
2091	6243	99.07	204.28	17.24	65.81	40.64
3647	18318	99.04	438.32	67.58	86.28	60.51
1088	2457	99.04	1146	157.72	248.07	140.41
1205	3513	99.02	293.23	52.73	102.91	28.55
2850	1728	98.94	961.56	158.02	246.88	102.92
628	20985	98.94	470.16	91.9	135.47	54.95
3994	18083	98.86	677.02	185.81	22.68	55.63

2589	5602	98.86	1343.57	176.78	202.34	197.83
3270	18958	98.78	1050.75	265.09	322.06	115.47
3855	16190	98.78	1533.31	157	754.52	208.5
1953	21164	98.75	975.19	128.27	360.94	160.71
3819	18175	98.75	1011.42	130.09	494.94	114.26
3474	2236	98.75	413.52	40.11	196.93	61.08
3774	4290	98.75	476.02	102.71	61.28	57.22
1886	18742	98.75	1324.99	318.64	340.84	175.47
1234	22603	98.73	774.83	89.57	258.94	105.41
3270	18957	98.73	1202.21	275.43	367.18	137.37
536	14595	98.73	542.18	128.33	65.88	75.82
2932	1977	98.7	1131.84	134.44	364.61	164.21
3093	18746	98.7	442.03	89.15	67.21	52.95
3927	9268	98.67	408.14	66.88	158.4	59.24
2079	2811	98.62	595.11	111.12	190.01	74.6
3972	12215	98.59	614.69	183.46	136.89	81.54
2432	21822	98.59	626.14	50.33	346.06	80.94
3712	17736	98.57	204.95	48.34	50.21	208.18
96	17187	98.57	137.99	36.23	31.14	15.34
3708	15601	98.57	651.59	81.95	310.13	78.7
3093	18749	98.57	463.82	198.62	60.9	48.74
3125	20888	98.57	625.56	109.29	161.35	92.29
738	20711	98.57	863.73	93.56	132.18	199.47
45	20980	98.54	146.94	20.51	55.64	22.33
3647	18315	98.51	243.52	47.29	45.75	35.72
702	18890	98.49	1969.92	295.27	744.33	347.05
3647	18316	98.49	405.88	66.36	72.7	56.05
3093	18747	98.46	897.75	179.11	152.25	112.71
3764	14621	98.43	325.62	38.07	141.88	44.5
1428	19591	98.43	555.75	45.73	252.68	92.76
3478	4940	98.38	618.48	125.38	1612.91	443.53
3667	15175	98.38	521.95	60.64	230.61	64.52
1183	22737	98.38	677.82	194.98	164.81	92.55
1284	18125	98.38	1071.07	78.78	574.13	156.75
2215	22139	98.35	1036.01	79.75	625.02	133.81
2581	14264	98.35	329.47	59.89	89.69	69.09
869	13507	98.35	218	8.11	364.51	90.06
1935	9373	98.35	402.28	45.23	128.48	69.57
2068	9757	98.33	552.69	80.49	281.51	67.37
3857	16546	98.27	568.23	89.41	190.1	83.52
692	21354	98.17	2275.68	351.86	416.77	385.66
2592	3860	98.17	1003.64	154	391.78	156.35
2929	1421	98.11	261.75	50.24	138.27	22.59
3288	20859	98.06	107.85	18.05	41.73	20.06
2347	2768	98.06	1259.86	62.68	2066.78	442.44
1265	17353	98.06	375.3	160.54	38.1	49.13
727	22847	98.01	1801.36	146.24	1147.13	233.04
3647	18319	98.01	245.39	79.76	36.06	32.94
1234	22602	97.98	484.33	93.76	120.28	84.04
800	22224	97.98	475.42	82.24	145.78	87
3756	3842	97.96	243.92	76.28	67.28	27.92
409	23336	97.96	143.78	59.25	23.95	22.91
282	21341	97.85	1857.47	238.55	851.87	295.96

3543	22079	97.8	1865.96	269.83	4856.82	1476.77
951	19044	97.77	810.85	29.22	524.48	182.33
777	21010	97.74	1749.82	238.11	671.62	288.26
1460	3260	97.69	495.15	161.17	174.24	83.07
789	16945	97.66	1109.78	95.07	718.77	139.18
3484	9240	97.64	580.79	53.02	337.17	81.11
1494	7517	97.61	177.3	16.8	90.17	32.22
527	16836	97.58	132.53	27.9	63.15	16.36
3725	9106	97.58	573.57	48.69	324.11	84.68
4104	17999	97.58	894.56	49.7	1579.27	335.08
3929	16769	97.53	401.78	106.2	124.45	58.94
2438	20388	97.5	332.86	41.62	771.09	281.25
667	16434	97.5	529.32	68.06	285.72	69.62
695	20038	97.5	291.17	52.31	67.58	53.18
2201	15015	97.5	367.93	62.14	191.75	51.02
1605	10533	97.48	1061.54	144	511.32	195.08
2013	23427	97.48	746.46	133.49	312.88	111.58
1186	3460	97.4	78.31	12.72	222.99	99.67
2066	17027	97.4	368.6	65.63	1152.81	406.42
628	20986	97.37	869.32	111.47	335.98	168.01
468	15833	97.29	481.16	50.39	277.27	67.17
2211	22823	97.19	727.09	57.76	425.33	110.64
2079	2812	97.08	677.47	145.95	283.77	94.41
3958	17758	96.92	1264.61	336.5	359	370.32
3058	23698	96.89	1127.65	274.58	355.04	404.69
3368	22063	96.87	94.31	28.54	36.56	16.84
2829	20402	96.87	82	11.4	44.66	14.45
590	17421	96.84	468.41	75.59	258.45	61.13
4194	20597	96.76	689.7	128.09	1856.38	666.01
2838	14882	96.73	681.59	65.31	1303.16	415.6
2876	19590	96.68	129.84	20.81	53.22	28.84
2898	16588	96.65	67.32	9.85	44.02	7.97
3722	20554	96.57	672.88	164.86	261.72	134.69
3380	21109	96.57	62.18	6.61	34.31	11.84
3026	1586	96.55	166.37	23.96	89.49	24.89
3326	1447	96.55	402.67	37	240.42	59.33
3731	17933	96.52	398.65	134.65	127.8	69.48
3731	17934	96.52	503.62	132.26	175.68	88.95
674	26051	96.52	211.29	52.94	79.3	40.08
4160	20386	96.52	540.48	68.46	253.52	126.65
379	23340	96.42	279.87	60.1	134.62	38.24
3615	15052	96.34	853.24	52.45	1443.73	494.37
4179	9842	96.34	1061.71	56.99	1605.37	414.18
3806	13005	96.31	448.84	39.13	250.3	86.68
3282	21663	96.28	832.06	65.75	464.8	158.04
3563	24798	96.12	944.05	58.1	569.44	198.06
3469	23300	96.04	527.9	85.34	252.76	96.23
395	20034	96.02	145.58	25.02	81.93	28.43
3891	15408	95.99	853.57	161.3	289.87	160.54
4269	570	95.91	233.03	28.91	128.85	43.79
2901	4364	95.88	102.18	13.47	53.99	35.1
4130	15851	95.78	565.91	84.09	1405.1	499.67
67	20998	95.7	556.69	170.4	1250.17	334.35

413	16323	95.67	322.93	97.68	869.44	371.12
4107	229	95.65	427.19	43.97	681.65	159.06
2956	1228	95.62	193.11	22.49	111.05	29.8
3132	5317	95.43	181.89	215.05	901.47	328.21
3722	20555	95.41	715.43	72.79	338.54	185.99
4127	18038	95.41	467.16	63.12	248.17	89.51
621	19745	95.38	99.56	25.02	50.76	21.91
3424	18727	95.27	283.25	56.61	766.17	382.6
3929	16768	95.25	944.04	190.49	492.81	159.7
2868	2578	95.25	272.19	47.09	159.57	48.78
4165	16398	95.22	838.24	78.73	526.84	136.93
3384	23625	95.11	160.55	41.09	45.23	48.87
2803	5545	95.11	714.79	72.43	1493.51	572.93
3472	20915	95.03	1313.8	284.04	531.71	362.55
2989	24860	95.03	60.13	40.31	392.12	272.43
3836	17154	95.03	326.26	33.47	187.97	79.13

TABLE 5CCC: WY-14643			Attorney Docket 44921-5038-01-WO			
Timepoint(s): 24, 168 hrs			Document No. 1935828.1			
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox_SD	NonTox_Mean	NonTox_SD
685	4196	99.55	955.21	245.5	82.23	70.39
3179	19302	99.31	266.41	30.54	38.19	35.79
3819	18174	99.31	677.01	46.13	319.17	87.57
3168	16721	99.31	653.33	70.48	258.32	68.98
1205	3512	99.12	248.19	42.71	110.06	22.54
3235	20851	99.1	416.55	142.8	65.86	71.7
2091	6243	99.07	204.28	17.24	65.81	40.64
628	20985	98.94	470.16	91.9	135.47	54.95
3270	18958	98.78	1050.75	265.09	322.06	115.47
3474	2236	98.75	413.52	40.11	196.93	61.08
3819	18175	98.75	1011.42	130.09	494.94	114.26
3270	18957	98.73	1202.21	275.43	367.18	137.37
1234	22603	98.73	774.83	89.57	258.94	105.41
2932	1977	98.7	1131.84	134.44	364.61	164.21
3927	9268	98.67	408.14	66.88	158.4	59.24
2079	2811	98.62	595.11	111.12	190.01	74.6
2432	21822	98.59	626.14	50.33	346.06	80.94
738	20711	98.57	863.73	93.56	132.18	199.47
3125	20888	98.57	625.56	109.29	161.35	92.29
3708	15601	98.57	651.59	81.95	310.13	78.7
96	17187	98.57	137.99	36.23	31.14	15.34
3712	17736	98.57	204.95	48.34	50.21	208.18
45	20980	98.54	146.94	20.51	55.64	22.33
3647	18315	98.51	243.52	47.29	45.75	35.72
3647	18316	98.49	405.88	66.36	72.7	56.05
3764	14621	98.43	325.62	38.07	141.88	44.5
3667	15175	98.38	521.95	60.64	230.61	64.52
869	13507	98.35	218	8.11	364.51	90.06
2215	22139	98.35	1036.01	79.75	625.02	133.81
2068	9757	98.33	552.69	80.49	281.51	67.37



3857	16546	98.27	568.23	89.41	190.1	83.52
2592	3860	98.17	1003.64	154	391.78	156.35
2929	1421	98.11	261.75	50.24	138.27	22.59
1265	17353	98.06	375.3	160.54	38.1	49.13
2347	2768	98.06	1259.86	62.68	2066.78	442.44
3288	20859	98.06	107.85	18.05	41.73	20.06
3647	18319	98.01	245.39	79.76	36.06	32.94
727	22847	98.01	1801.36	146.24	1147.13	233.04
1234	22602	97.98	484.33	93.76	120.28	84.04
409	23336	97.96	143.78	59.25	23.95	22.91
3756	3842	97.96	243.92	76.28	67.28	27.92
3543	22079	97.8	1865.96	269.83	4856.82	1476.77
3484	9240	97.64	580.79	53.02	337.17	81.11
4104	17999	97.58	894.56	49.7	1579.27	335.08
3725	9106	97.58	573.57	48.69	324.11	84.68
527	16836	97.58	132.53	27.9	63.15	16.36
3929	16769	97.53	401.78	106.2	124.45	58.94
667	16434	97.5	529.32	68.06	285.72	69.62
2438	20388	97.5	332.86	41.62	771.09	281.25
2013	23427	97.48	746.46	133.49	312.88	111.58
2066	17027	97.4	368.6	65.63	1152.81	406.42
1186	3460	97.4	78.31	12.72	222.99	99.67
628	20986	97.37	869.32	111.47	335.98	168.01
468	15833	97.29	481.16	50.39	277.27	67.17
349	12829	97.27	623.14	68.41	378.77	89.21
2211	22823	97.19	727.09	57.76	425.33	110.64
4030	21355	97.16	1208.44	309.54	297.28	278.31
2140	11525	97.11	635.55	73.94	380.57	83.16
2079	2812	97.08	677.47	145.95	283.77	94.41
691	12094	97.08	1682.43	452.96	4857.84	1818.68
2090	4428	97	414.86	44.73	237.97	67.53
1492	15594	96.95	140.38	21.75	22.64	44.34
4031	11440	96.92	1260.64	260.9	4594.34	1999.47
3958	17758	96.92	1264.61	336.5	359	370.32
270	14024	96.92	70.47	7.15	33.27	17.09
3608	19162	96.89	1004.5	262.57	2891.94	867.15
969	23320	96.89	448.11	51	240.34	77.06
3058	23698	96.89	1127.65	274.58	355.04	404.69
3368	22063	96.87	94.31	28.54	36.56	16.84
2829	20402	96.87	82	11.4	44.66	14.45
590	17421	96.84	468.41	75.59	258.45	61.13
1338	6869	96.81	44.12	7.03	220.41	98.06
1008	16722	96.71	24.91	3.58	70.97	28.51
2876	19590	96.68	129.84	20.81	53.22	28.84
2898	16588	96.65	67.32	9.85	44.02	7.97
1490	2668	96.63	1042.45	96.14	2504.2	1009.57
1063	15474	96.63	271.43	80.18	685.07	184.23
1139	17246	96.6	84.95	12.19	25.9	23.63
3380	21109	96.57	62.18	6.61	34.31	11.84
3722	20554	96.57	672.88	164.86	261.72	134.69
3326	1447	96.55	402.67	37	240.42	59.33
2662	14197	96.55	157.08	15.76	90.39	25.63
3026	1586	96.55	166.37	23.96	89.49	24.89

1076	19452	96.52	49.29	1.45	136.98	119.65
4160	20386	96.52	540.48	68.46	253.52	126.65
3731	17934	96.52	503.62	132.26	175.68	88.95
3731	17933	96.52	398.65	134.65	127.8	69.48
674	26051	96.52	211.29	52.94	79.3	40.08
1333	15627	96.49	1755.11	474.09	5784.08	1962.47
279	22028	96.47	1581.58	560.4	6758.19	3171.76
318	4941	96.44	706.96	125.79	1813.31	733.1
314	21482	96.42	25.52	21.05	398.69	192.7
379	23340	96.42	279.87	60.1	134.62	38.24
2136	11888	96.36	22.56	12.72	141.73	60.79
1142	21812	96.34	612.98	80.04	365.91	96.08
3615	15052	96.34	853.24	52.45	1443.73	494.37
4179	9842	96.34	1061.71	56.99	1605.37	414.18
3806	13005	96.31	448.84	39.13	250.3	86.68
1885	23836	96.31	131.32	36.15	40.56	32.63
3282	21663	96.28	832.06	65.75	464.8	158.04
3563	24798	96.12	944.05	58.1	569.44	198.06
3469	23300	96.04	527.9	85.34	252.76	96.23
395	20034	96.02	145.58	25.02	81.93	28.43
3891	15408	95.99	853.57	161.3	289.87	160.54
4269	570	95.91	233.03	28.91	128.85	43.79
2901	4364	95.88	102.18	13.47	53.99	35.1
4130	15851	95.78	565.91	84.09	1405.1	499.67
4107	229	95.65	427.19	43.97	681.65	159.06
2956	1228	95.62	193.11	22.49	111.05	29.8
3132	5317	95.43	181.89	215.05	901.47	328.21
3722	20555	95.41	715.43	72.79	338.54	185.99
4127	18038	95.41	467.16	63.12	248.17	89.51
621	19745	95.38	99.56	25.02	50.76	21.91
3929	16768	95.25	944.04	190.49	492.81	159.7
2868	2578	95.25	272.19	47.09	159.57	48.78
4165	16398	95.22	838.24	78.73	526.84	136.93
3384	23625	95.11	160.55	41.09	45.23	48.87
2803	5545	95.11	714.79	72.43	1493.51	572.93
3472	20915	95.03	1313.8	284.04	531.71	362.55
3836	17154	95.03	326.26	33.47	187.97	79.13
3653	5497	95.01	302.96	76.1	643.97	187.41
3000	14881	95.01	824.95	105.88	1706.66	634.99
3299	8182	94.82	871.88	109.32	1457.33	334.65
3990	5656	94.8	76.56	16.77	42.19	15.65
3428	19679	94.64	131.94	49.53	391.59	140.4
379	23341	94.56	428.66	93.95	228.08	71.68
4006	18450	94.56	754.88	111.71	495.19	106.22
4104	18000	94.53	1059.79	80.09	2096.81	679.22
2870	727	94.5	331	55.85	203.28	51.2
2979	427	94.45	732.56	78.66	1724.04	780.34
3368	22062	94.32	166.82	26.32	105.54	30.57
3260	24771	94.29	841.62	46.86	1108.61	317.98
2775	21653	94.26	397.39	37.89	264.16	91.36
3555	25070	94.24	764.46	66.27	498.99	128.62
612	3381	94.21	184.88	20.55	113.23	34.14
3044	4199	94.18	689.97	29.54	893.18	205.57

4219	670	94.03	727.07	106.28	1210.03	266.48
380	18862	94	44.53	6.32	21.5	12.04
452	15509	93.84	46.68	7.51	21.04	14.43
3495	20925	93.84	1461.37	365.1	414.81	435.73

TABLE 5DDD: ZILEUTON				Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 336 hrs				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
168	12160	98.75	7049.53	2423.91	1101.72	1254.05
2942	12158	98.62	2623.32	1124.57	225.26	524.54
2988	25056	98.59	4347	1047.8	923.79	688.04
2981	25055	98.57	2568.71	1000.72	234.9	526.29
2935	12156	98.54	4725.66	1494.11	488.2	822.73
2919	12155	98.54	3997.37	1348.04	620.7	636.62
2936	12157	98.52	5418.34	1701.38	560.2	941.63
2851	20384	98.46	1258.91	451.47	160.04	234.17
3156	17541	98.25	4122.13	645.37	1622.64	625.17
3221	1794	97.8	5921.92	879.55	2161.6	1257.05
3073	488	97.77	113.29	13.39	147.9	741.02
2989	24860	97.67	1533.76	435.67	386.9	264.48
3268	11153	97.43	302.31	17.99	633.18	202.05
594	11997	97.38	113.98	2.73	200.2	86.33
3236	20864	97.16	1811.73	558.08	467.01	372.74
420	15987	97.06	68.73	8.82	24.96	42.45
135	1802	96.37	208.98	6.44	321.96	108.59
3074	20704	96.24	3005.8	695.86	1299.1	844.05
3221	1793	96.21	2578.39	462.13	1155.56	613.07
3221	1797	96.16	4275.97	726.03	1788.44	1021.62
3251	21015	95.78	5834.15	1056.99	2918	1037.35
956	21878	95.33	201.63	11.18	140.54	80.14
3251	21013	95.23	5773.43	1055.86	2605.07	1205.03
3634	635	95.15	2637.24	224.54	1570.84	483.79
4030	21904	95.04	6866.44	1205.63	2993.81	1581.59
2466	15193	95.04	274.87	66.27	151	53.77
821	21798	95.04	2542.62	180.76	1776.69	360.08
1011	23766	94.99	199	16.21	113.32	52.81
3829	15615	94.91	7738.05	706.95	4719.56	1505.03
113	21389	94.8	49.8	4.87	87.08	25.01
3528	15755	94.75	495.81	35.13	741.17	180.89
1565	6941	94.7	165.41	46.43	36.89	60.91
1019	12447	94.7	154.27	32.16	63.49	36.1
2991	25400	94.59	4079.57	968.53	1666.1	929.6
2142	15382	94.35	174.96	17.64	165.12	304.79
3849	17092	94.33	149.48	31.94	80.58	46.43
691	12094	94.3	7548.3	429.47	4834.13	1824.08
1136	3168	94.3	73.46	17.54	30.85	21.39
537	15576	94.27	134.04	14.94	237.94	70.14
1881	24323	94.27	625.41	83.52	415.95	106.98
3473	8212	94.19	3634.2	606.95	1975.78	726.02
3634	634	94.01	2302.21	161.08	1531.06	420.16

2570	15955	93.74	364.6	52.52	193.82	94.51
1071	2095	93.66	102.24	7.12	167.36	54.45
3988	7394	93.5	754.82	17.61	690.57	201.42
3046	1430	93.29	216.29	42.2	90.49	69.52
3634	25525	93.11	1995.66	211.43	1346.43	366.4
1615	10093	93.11	715.8	95.65	427.98	160.23
72	12060	92.97	52.98	6.24	91.21	25.84
1510	5856	92.95	64.9	15.13	162.39	65.65
2838	14882	92.9	2041.58	188.35	1297.84	415.27
3058	23698	92.87	541.8	79.14	358.14	408.1
701	4689	92.87	91.62	26.32	25.42	41.94
947	22729	92.84	64.69	19.63	183.14	79.91
1919	9654	92.71	100.5	13.53	37.7	64.46
1762	9190	92.55	1616.03	203.99	1015.38	357.98
4221	21123	92.52	1410.22	101.77	945.02	278.86
605	16367	92.5	2207.43	158.42	1414.91	543.59
626	3879	92.5	3124.06	400.75	1886.02	618.42
1285	16701	92.44	3476.03	509.13	2271.14	715.55
759	21735	92.36	219.32	24	349.13	105.91
1407	3957	92.34	61.7	7.96	117.19	52.9
2264	24049	92.31	2284.63	444.4	1516.14	458.49
1935	9373	92.26	60.92	6.06	130	71.99
41	16696	92.23	61.34	4.85	101.84	32.55
3685	4314	92.21	395.31	10.23	455.1	118.3
2437	4092	92.21	510.42	41.8	314.8	136.43
1637	6906	92.1	44	7.42	78.11	30.05
921	24521	92.1	5657.88	409.43	3784.13	1233.76
3058	23699	91.86	853.36	73.03	642.8	308.52
926	21382	91.76	95.72	16.75	181.29	63.63
1043	20333	91.6	37.04	2.81	26.53	26.22
2027	6479	91.6	749.74	38.93	1044.6	395.54
299	3924	91.6	528.14	72.69	326.04	114.78
1376	24022	91.49	57.89	5.43	88.38	26.56
1121	2939	91.49	347.15	59.18	207.37	81.76
343	17382	91.38	398.31	44.67	273.83	87.9
3473	8211	91.38	4574.94	1008.15	2364.72	1107.37
4045	17995	91.33	2861.29	526.81	1693.58	648.99
4202	25679	91.28	1191.94	97.58	884.29	246.32
2561	19274	91.2	77.85	15.42	148.75	51.44
1185	3618	91.2	211.1	21.6	136.3	51.19
811	5258	91.15	216.39	16.94	300.3	75.59
2603	11815	91.04	68.84	20.56	105.35	23.57
260	18673	91.01	107.51	9.44	177.04	63.72
929	18993	91.01	83.62	10.23	50.42	27.57
3101	18726	90.99	253.79	19.15	362.89	115.54
1658	18322	90.96	70.8	11.12	122.67	187.49
690	18588	90.96	330.89	31.77	236.9	98
3268	11152	90.93	129.76	41.61	334.36	142.44
2119	6637	90.8	361.39	16.71	489.36	135.09
3778	16125	90.77	51.75	5.99	93.98	39.42
2763	1488	90.77	133.21	4.88	168.5	34.13
763	2888	90.72	3496.83	172.02	2672.59	748.08
1140	16619	90.69	198.18	109.62	43.97	59.99

2878	2744	90.64	145.35	5.93	208.2	84.5
638	2480	90.64	126.25	28.47	235.63	74.12
809	22967	90.59	106.23	10.98	166.4	89.23
4118	1478	90.59	265.47	42.82	423.62	119.63
3816	15269	90.59	115.2	11.99	184.77	53.58
4228	10109	90.56	1186.4	50.93	1047.09	223.98
4221	21122	90.51	2353.94	286.81	1522.35	489.09
3599	1175	90.35	1228.26	290.15	628.66	346.89
2839	21051	90.24	70.74	14.28	169.02	87.59
2943	25327	90.22	21.49	1.17	28.09	12.26
597	17581	89.87	61.95	7.28	103.07	34.04
3322	20914	89.86	1572.34	1021.63	232.18	297.9
3823	7927	89.79	177.21	21	286.36	116.7
1233	1995	89.69	1942.75	156.94	1937.53	970.84
3017	17211	89.61	1705.29	114.02	1321.59	433.44
3509	17729	89.61	1101.89	57.21	922.22	213.07
3017	26030	89.58	936.63	65.07	720.16	240.07
3079	16895	89.48	1712.22	108.48	1711.96	562.47
4216	25691	89.48	1076.29	62.67	887.34	307.3
1227	25170	89.34	30.56	3.23	52.32	25.78
4156	904	89.26	36.43	6.32	62.22	20.39
3073	20705	89.2	2761.31	602.99	1021.96	944.59
4118	1479	89.18	170.01	35.69	296.66	95.24
2945	1894	89.13	219.86	20.25	342.91	118.97
91	3692	89.13	80.86	4.5	105.5	33.22
3625	18597	89.1	773.65	66	604.74	200.99
4216	18606	89.1	887.01	70.78	728.93	178.99
3879	5492	89.07	191.37	114.18	35.88	62.26
4238	4441	89	1001.17	53.99	850.89	218.78
489	1133	88.92	112.25	3.93	133.25	29.31
3879	5493	88.91	217.89	73.19	53.87	63.49
3973	16180	88.79	304.21	30.28	448.06	132.54
3268	11150	88.76	66.73	24.89	178.77	93.2
40	20975	88.65	63.58	8.13	111.47	41.34
3250	18989	88.64	3272.51	1346.78	1472.13	681.24
23	17613	88.63	190.44	28.62	307.4	126.5
4255	16300	88.63	108.55	16.49	73.14	28.28
4242	25725	88.62	294.04	72.48	142.28	63.07
3295	17104	88.6	587.61	27.94	542.98	142.81
577	13574	88.52	325.55	14.69	306.09	94.54
601	18887	88.52	79.09	12.39	122.97	39.59
4220	24577	88.49	1128.62	106.44	909.55	233.51
4262	16272	88.47	2086.18	93.14	1823.9	539.07
2953	108	88.41	2812.18	157.19	2173.71	1124.56
3849	17091	88.41	132.37	37.45	44.65	42.14
2955	109	88.28	5865.57	438.1	3927.54	2213.79
3082	4574	88.26	450.94	59.97	618.93	137.89
3471	1069	88.26	2013.49	160.96	1610.1	393.87
2905	21011	88.25	5765.97	1325.15	2350.53	1048.15
2911	4407	88.23	75.97	14.19	144.28	57.75
64	6425	88.18	61.59	15.23	116.7	41.43
77	18400	88.18	22.83	5.45	50.02	24.6

**TABLE 5EEE: LPS**  
**Timepoint(s): 24 hrs**

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3643	4011	99.87	166.43	57.73	1821.45	677.32
2922	21012	99.79	476.81	16.35	1520.39	567.6
1206	16304	99.79	296.61	51.2	1499.52	504.23
3634	634	99.79	224.82	44.49	1536.28	417.92
3710	16726	99.76	297.93	10.7	792.74	196.34
3634	25525	99.76	172.66	36.36	1350.98	364.18
646	14495	99.74	78.02	13.42	323.78	111.6
3820	24728	99.71	28.74	8.28	261.59	84.08
383	15	99.71	92.36	1.44	44.8	21.18
1514	2997	99.68	88.08	5.9	375.4	119.98
3197	11904	99.68	268.62	16.95	60.15	42.8
3757	9214	99.66	880.52	97.9	273.93	150.19
251	18244	99.66	1182.44	47.71	542.72	137.87
3634	635	99.63	188.18	84.64	1577.16	483.16
4211	20872	99.63	1345.63	38.66	763.45	262.47
1955	22598	99.63	3246.17	212.74	992.6	344.02
3412	574	99.6	251.77	18.84	94.44	165.34
3164	23651	99.6	65.74	17.19	20.61	97.18
959	22042	99.6	6153.73	992.13	233.68	1107.91
4023	9845	99.6	3806.95	827.59	124.33	892.61
436	16416	99.58	288.07	16.78	108.4	60.71
2684	15004	99.58	1695.49	240.53	236.04	142.5
2759	5059	99.55	324.13	47.19	79.53	249.59
327	18580	99.55	1019.69	40.31	224.66	139.63
1803	5969	99.52	362.85	61.79	1180.73	390.03
2989	24860	99.5	32.25	5.22	391.3	272.54
3643	4012	99.44	284.76	99.62	2441.81	1157.15
2884	1641	99.44	275.36	14.85	110.29	51.67
498	9905	99.44	166.04	20.66	648.12	150.08
10	1600	99.42	80.25	4.34	37.92	93.41
2385	3134	99.39	375.27	108.07	38.07	41.15
3472	20915	99.39	98.85	6.27	536.36	365.97
3976	13563	99.36	455.07	25.07	1185.43	356.64
4120	154	99.36	501.9	58.32	165.9	60.49
3097	20589	99.36	125.48	13.65	25.15	26.99
1803	5967	99.34	203.14	33.53	867.88	367.62
276	21285	99.34	1157.81	137.93	100.17	161.93
422	309	99.31	1271.05	75.47	694.09	136.68
3757	9215	99.31	1095.45	215.49	315.14	205.97
2962	25052	99.31	1613.62	302.24	30.62	119.49
3567	1221	99.28	197.14	26.41	32.78	122.89
605	16367	99.28	137.22	105.71	1420.14	541.97
1911	4914	99.28	47.79	18.73	481.47	150.36
3834	15002	99.26	812.99	200.75	139.85	68.61
2353	16081	99.23	580.07	45.01	127.63	197.04
605	16366	99.23	126.39	27.16	798.97	303.77
3584	6911	99.23	57.47	6.74	234.1	74.48

961	1809	99.23	6297.41	1822.96	122.34	681.56
244	6614	99.23	118.9	26.54	907.33	269.4
3004	18618	99.21	1838.27	88.48	1149.65	214.57
2949	3548	99.21	174.92	5.09	79.79	30.13
3989	14964	99.18	161.42	102.69	1006.2	317.11
3057	22512	99.18	354.47	227.36	30.39	59.45
4170	1602	99.18	170.64	16.69	467.13	108.67
4228	10109	99.18	1938.46	117.34	1045.64	220.17
1620	8584	99.15	144.43	32.68	1400.37	635.95
2797	10071	99.13	90.84	33.37	30.7	24.06
1912	22522	99.13	112.21	12.19	248.85	63.35
3067	15741	99.13	317.97	109.01	1252.69	388.68
3156	17541	99.13	316.82	124.41	1633.35	638.47
881	21522	99.13	765.82	52.59	164.35	209.31
2133	11416	99.13	283.22	20.98	115.75	35.97
3711	25802	99.13	516.44	15.56	257.7	80.46
3162	15872	99.13	73.07	25.46	499.66	169.35
687	4636	99.13	457.49	50.41	74.1	125.75
2030	21660	99.13	5230.59	324.32	1744.04	720.76
3309	20529	99.13	1181.01	95.34	129.82	185.65
830	6615	99.1	89.58	20.45	438.68	128.87
3639	20448	99.07	159	29.63	42.64	73.93
3455	6263	99.07	77.77	18.31	292.55	100.65
4290	1561	99.07	1985.06	196.05	870.62	217.06
2705	14767	99.07	69.48	6.08	310.71	115.85
3594	11849	99.07	1291.53	27.15	746.01	163.9
2251	14384	99.07	542.05	32.59	247.13	63.39
2743	2855	99.07	794.02	58.03	420.6	87.21
3447	20249	99.05	78.03	10.56	24.83	20.92
3618	15185	99.05	263.18	54.68	60.65	100.78
4077	24469	99.05	1244.67	166.79	620.92	197.95
519	17333	99.05	148.37	21.45	51.16	34.11
1470	12779	99.05	451.8	238.57	67.96	54.36
1883	8273	99.05	219.01	79.36	43.6	33.76
4197	20810	99.05	2037.68	83.17	1154.93	263.95
3091	18385	99.05	178.44	102.58	21.57	29.85
3057	22515	99.05	4183.61	1044.52	121.12	348.28
3236	20864	99.02	55.18	25.79	472.15	380.76
4049	5920	99.02	67.33	29.28	461.44	217.92
3426	17324	99.02	81.82	19.34	378.9	117.26
3112	24589	99.02	395.8	197.61	55.53	53.19
648	19411	99.02	111.17	7.01	33.82	21.69
2878	25313	99.02	312.92	23.51	99.39	60.94
1854	6823	99.02	814.26	140	251.11	106.22
2104	8215	99.02	873.46	52.7	386.99	135.82
827	23005	98.99	270.87	18	124.39	86.19
2506	20055	98.99	304.31	43.15	67.96	73.87
2000	10984	98.99	79.7	65.47	1058.22	304.87
3497	20944	98.99	1456.36	145.65	619.91	160.17
2654	6532	98.99	317.77	23.11	140.71	43.19
3745	5175	98.97	344.51	77.31	40.15	62.99
1926	4969	98.97	2466.07	420.51	259.82	239.47
3055	1678	98.94	22.06	13.4	124.71	41.32

2878	2744	98.94	510.03	36.96	207.36	83.36
3377	15503	98.91	181.26	37.44	64.23	59.72
340	18001	98.91	196.94	39.51	718.21	179.34
3262	682	98.91	664.18	326.43	109.18	95.85
2925	17284	98.89	66.24	7.09	184.56	54.71
3602	20462	98.89	1386.9	54.08	832.62	161.68
3057	22513	98.89	6801.87	2063.44	24.21	724.48
97	24228	98.89	1963.56	170.96	977.17	260.22
3333	23825	98.89	98.15	18.36	38.05	25.86
3064	7427	98.86	242.61	40.71	32.31	29.32
4226	18611	98.86	2091.17	198.59	1139.38	540.19
3085	16080	98.83	333.96	51.66	71.05	142.79
3133	20354	98.83	352.09	24.78	51.73	57.92
4120	155	98.83	242.82	80.27	41.45	24.98
4226	5667	98.83	1364.04	112.29	816.08	305.28
3318	18750	98.81	372.57	8.69	246.42	71.72
3700	22321	98.73	445.71	89.53	76.62	108.24
381	4178	98.73	79.54	11.94	39.39	54.77
3706	10949	98.73	390.51	153.27	1874.53	687.28
4210	18250	98.73	1694.19	100.64	952.01	198.91
3490	12606	98.7	161.97	57.03	741.43	238.52
4207	1893	98.7	164.59	74.91	31.84	31.29
3653	5496	98.68	113.96	19.27	493.5	154.89
435	20701	98.68	2698.56	266.1	879.33	385.5
2320	1572	98.65	172.32	13.47	73.12	32.33
534	19469	98.62	124.43	69.52	477.5	113.18
4197	25675	98.62	1145.98	19.45	741.67	207.51
4210	25687	98.62	2034.6	159.67	1275.29	658.59
3292	21643	98.6	1666.53	167.12	891.15	220.23
3260	24771	98.57	119.53	97.47	1109.43	314.81
507	20523	98.57	316.37	52.14	48.66	67.77
4206	15626	98.57	2208.57	185.27	1329.28	250.81
3250	18989	98.54	247.79	152.33	1480.44	689.51
3411	20716	98.54	776.01	61.15	1643.73	473.59
4198	15652	98.54	2214.91	91.58	1501.41	366.17
4030	20698	98.54	3387.66	619.21	894.32	433.33
3203	2667	98.52	317.82	43.77	809.25	200.01
3273	1550	98.49	50.78	24.28	431.87	211.34

**TABLE 5FFF: Carcinogen-Genotoxic** **Attorney Docket 44921-5038-01-WO**  
**Timepoint(s): Various** **Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1566	20983	80.16	699.35	155.97	1005.91	291.23
535	4259	78.68	872.19	120.42	688.78	128.81
1989	11576	78.68	42.97	21.82	82.03	29.1
805	23068	78.34	337.97	152.95	602.09	216.21
4087	40	78.21	174.77	72.5	368.49	185.84
444	15372	78.11	235.86	46.01	181.71	55.03
2590	4440	77.92	521.11	171.56	811.07	198.73



1241	20741	77.72	56.74	26.65	21.22	29.83
1538	7903	77.72	30.87	24.61	91.85	73.86
2326	13055	77.69	314.8	83.29	481.93	173.91
2609	3823	77.52	793.93	216.14	520.48	172.77
3024	1246	77.46	42.88	20	79.11	30.1
2050	19728	77.4	309.99	139.76	517.14	159.37
1616	8143	77.15	86.21	47.18	35.73	105.66
1564	5634	76.97	101.03	53.66	35.79	60.92
3509	17729	76.83	1144.04	188.18	916.66	210.39
3953	15029	76.76	1153.7	316.29	1594.83	523.1
3178	20757	76.61	628.44	378.55	265.1	101.02
2881	20984	76.6	907.16	202	1189.53	300.46
159	6015	76.5	1014.49	395.11	1519.13	389.63
3289	15365	76.49	911.59	179.51	707.12	353.7
898	22554	76.42	936.55	345.68	1508.43	434.36
2824	2435	76.31	238.98	44.37	187.81	45.95
1723	9191	76.3	381.39	188.57	700.04	284.22
2519	633	76.23	1035.25	269.13	1345.13	284.78
288	6471	76.01	335.96	97.67	509.97	190.25
3052	729	75.97	133.33	51.18	226.84	81.36
285	16329	75.94	476.38	256.14	255.42	104.07
2278	10611	75.93	140.38	141.73	21.78	29.86
2035	3916	75.89	1137.68	315.72	1549.62	408.07
1101	2569	75.84	696.92	495.63	913.6	280.73
2358	7918	75.77	85.91	26.54	62.72	31.29
2142	15382	75.74	293.92	222.54	161.59	305.54
4126	255	75.59	341.21	92.99	464.88	124.43
1945	22722	75.52	395.48	556.93	22.55	41.68
389	11635	75.5	194.77	69.22	294.23	87.63
3607	16847	75.47	894.72	145.41	712.69	169.88
296	1867	75.38	823.2	173.19	625.16	162.19
3610	20839	75.35	1382.24	215.11	1128.38	213.94
2280	547	75.32	483.82	102.27	371.33	89.89
4003	17549	75.25	841.2	147	651.48	144.29
4228	25702	75.25	634.55	124.24	491.54	177.05
1995	22559	75.24	683.97	197.13	979.9	319.54
1002	23285	75.12	504.92	120.97	356.86	132.69
3768	11403	75.05	397.6	225.11	179.74	198.49
1667	9067	75.03	1013.09	266.39	708.46	235.21
2062	15393	75.01	313.66	64.63	429.1	98.24
2562	13056	74.95	205.08	53.55	289.43	92.14
4228	10109	74.95	1225.48	174.73	1042.6	223.01
3260	24771	74.88	813.83	245.68	1115.47	315.73
128	5934	74.83	232.5	105.47	371.97	166.12
1553	5464	74.82	573.92	273.07	322.1	134.97
1895	22931	74.76	58.34	37.34	140.64	97.53
3609	24615	74.73	1024.85	188.08	829.18	195.6
2250	6473	74.72	100.21	36.16	159.86	60.45
2228	18525	74.71	192.5	144.81	203.43	77.82
2617	15900	74.64	241.59	54.79	184	77.26
2628	7888	74.62	367.74	111.47	262.4	139.88
137	1846	74.56	442.88	87.61	553.88	111.48
3414	18713	74.56	467.98	136.85	329.64	109.36

3801	18795	74.42	805.43	297.81	534.59	197.41
4238	4441	74.41	1020.22	174.79	846.69	217.89
3801	11830	74.31	988.21	424.5	615.36	243.9
864	22370	74.21	181.13	49.71	269.95	104.72
3986	17533	74.18	198.65	90.33	308.74	124.97
2687	11644	74.18	570.25	242.53	861.41	219.77
1691	9012	74.15	447.75	242.26	707.87	273.4
2233	23299	74.11	364.84	199.84	198.53	145.93
4227	17175	74.09	866.87	216.39	606.64	164.99
1965	12030	74.06	130.76	41.74	88.56	26.4
1164	3367	74.04	765.01	229.59	526.96	195.19
3933	20879	73.95	339.87	222.19	630.85	268.79
628	20986	73.94	200.11	64.05	342.36	172.2
1911	4914	73.93	336.27	135.21	484.55	150.01
1182	3411	73.88	1506.3	275.64	1799.96	454.13
2143	15842	73.84	225.78	49.2	179.93	50.04
767	21458	73.78	558.82	240.46	395.15	291.91
2096	15684	73.77	535.32	171.5	357.54	133.92
3846	20939	73.73	254.05	59.42	205.48	70.48
234	6190	73.65	111.15	26.5	138.78	31.34
1151	20712	73.56	827.09	243.59	1121.96	381.01
3859	15135	73.56	982.15	194.11	784.61	186.24
4230	25705	73.48	1130.61	452.71	732.69	175.44
3189	17394	73.44	484.24	156.91	338.77	141.41
2109	16005	73.42	497.67	98.02	402.72	80.72
3601	23854	73.42	605.72	142.51	448.39	148.54
4215	20427	73.37	957.46	132.45	788.39	160.54
1756	7074	73.36	95.53	88.43	90.31	47.48
2531	13966	73.35	242.42	97.55	173	40.64
3582	15700	73.35	321.6	97.74	452.04	123.03
1755	9475	73.35	562.32	280.75	867.4	305.84
1709	22930	73.32	247.44	200.56	546.96	351.23
2018	4091	73.25	471.63	134.48	340.62	93.48
3276	2150	73.17	645.2	130.14	786.17	162.88
1709	22929	73.15	542.45	417.96	1259.22	787.08
2115	3266	73.15	205.41	44.72	156.16	36.08
1535	2901	73.15	79.07	22.22	104.35	30.98
2761	11404	73.08	362.81	158.8	217.06	125.26
816	22928	73.07	126.54	87.09	288.07	184.84
659	10540	73.05	53.88	42.58	23.14	16.86
3414	18715	72.97	257.87	78.53	194.8	76.01
3154	11136	72.96	449.61	137.53	312.81	116.46
3986	17532	72.95	330.59	135.24	497.36	166.67
2903	3815	72.94	128.87	50.95	78.63	23.37
4008	15239	72.88	779.22	133.42	624.37	246.85
3010	17123	72.87	149.5	49.66	107.58	35.69
2193	6782	72.84	288.69	61.6	232.13	63.15
63	16730	72.74	48.09	28.3	24.39	24.83
1206	16304	72.71	1105.36	317.54	1507.83	506.73
3856	24778	72.7	577.7	564.8	98.97	234.12
3287	10503	72.68	479.94	104.93	582.57	128.92
2973	13682	72.64	221.24	64.44	152.63	61.18
3645	28	72.59	545.87	233.72	811.63	265.75

3321	20600	72.47	274.75	204.7	605.42	332.11
3931	20707	72.28	348.78	144.24	613.33	299.66
2824	2434	72.26	42.02	12.88	30.15	12.8
3856	25321	72.2	409.66	421.38	59.37	156.4
3537	20801	72.17	97.75	51.86	62.18	46.61
115	19103	72.14	747.67	437.88	744.26	226.84
3981	14822	72.1	209.5	82.11	139.33	51.2
3291	5351	72.09	721.41	124.07	589	116.71
4077	24469	72.05	785.62	215.18	617.71	197.63
3107	21087	71.96	35.31	17.36	68.51	36.42
3599	1175	71.93	353.24	183.01	638.24	348.68
4253	405	71.89	804.08	162.67	945.58	196.85
3321	20601	71.86	516.59	324.59	981.19	455.85
3344	356	71.8	200.16	169.71	144.6	59.51
3513	24434	71.79	145.61	68.25	235.38	100.01
4045	17995	71.7	1117.11	606.29	1713.35	645.83
3649	9620	71.7	646.71	130.02	530	110.43
3600	12639	71.68	1259.44	170.87	1097.73	174.38
3673	16204	71.68	962.07	191.09	763.75	201.3
1210	17963	71.67	72.41	33.08	107.45	45.15
3909	21842	71.57	305.78	167.14	570.47	294.85
3134	8829	71.53	313.15	162.13	194.22	107.88
639	13088	71.5	876.21	410.92	1286.69	436.77
3953	16993	71.4	851.77	188.69	1063.49	297.04
4020	15703	71.37	168.61	83.18	132.73	49.27
3450	20299	71.36	502.59	257.3	731.57	247.08
1737	1501	71.36	653.34	199.83	498.08	251.52
3042	1529	71.34	470.01	105.5	572.8	127.8
2258	1169	71.32	92.59	38.7	62.31	33.89
3924	14959	71.29	706.04	185.41	533.74	172.72
4092	15462	71.27	441.23	94.56	548.25	119.8
3116	16306	71.25	827.04	217.7	1107.54	253.09
656	23240	71.25	326.07	66.79	269.57	66.49
3993	18867	71.23	633.39	190.27	831.22	221.77
3573	24648	71.22	70.9	18.08	93.54	28.64
600	17589	71.17	55.66	27.94	32.99	34.18
4211	20872	71.17	1105.67	418.43	755.24	251.63
3154	11137	71.16	581.96	177.06	409.74	155.78
581	19086	71.07	202.28	100.76	120.19	67.66
145	2696	71.02	774.12	182.13	616.08	158.96
3958	17758	70.99	152.5	72.7	369.15	378.61
3295	17104	70.96	714.4	187.94	538.37	138.23
3445	17101	70.85	245.79	88.54	181.78	63.4
4041	10545	70.77	334.5	136.91	215.02	84.92
3214	13282	70.54	182.55	50.18	226.06	78.52
3584	6911	70.53	170.87	69.42	235.47	74.25
4158	794	70.5	625.94	167.38	806.91	228.44
2985	17086	70.49	162.73	43.06	120.13	46.89
3604	20807	70.44	1084.34	174.14	905.22	211.25

TABLE 5GGG: Carcinogen--Non-Toxic

Attorney Docket 44921-5038-01-WO

Timepoint(s): Various					Document No. 1935828.1	
SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1709	22929	86.31	202.65	243.15	1271.54	777.33
1895	22931	82.75	27.9	25.98	141.8	96.72
639	13088	82.6	686.52	381.81	1293.6	430.3
1709	22930	82.38	123.6	112.23	551.55	348.45
2715	19732	82.27	426.53	242.61	1003.1	464.66
3247	1698	82.13	715.86	416.64	195.56	183.03
2519	633	81.83	984.91	212.98	1347.51	283.97
2195	19363	80.87	745.28	464.57	1931.43	893.41
1925	2296	80.74	542.9	191.42	900.05	268.12
2239	5460	80.36	49.99	27.29	98.71	37.23
2687	11644	80.18	542.13	201.52	863.06	219.23
1845	2297	80.15	547.96	208.15	931.75	310.44
636	12312	79.77	642.76	214.86	982.24	263.15
1985	5874	79.7	74.06	27.43	121.86	51.4
3202	17401	79.4	202.67	90.98	440.15	216.71
3389	6017	79.37	188.49	230.04	799.56	501.54
3710	16726	79.2	570.05	132.38	798.45	195.2
816	22928	79.12	73.4	57.4	290.13	183.52
3450	20299	79.09	405.03	217.32	735.16	244.53
3629	6673	79	519.07	180	807.13	245.06
2590	4440	79	480.57	182.55	813.1	195.97
2852	2515	78.96	413.28	122.61	623.77	181.24
3775	25443	78.73	753.02	293.07	1128.42	333.11
1880	2484	78.49	117.26	92.32	363.06	222.07
2238	7697	78.44	286.4	90.97	456.25	149.18
2635	13294	78.2	491.42	124.88	343.94	103.87
1723	9191	78.18	333.99	195.47	702.36	282.05
3273	1551	77.99	628.31	302.15	1038.16	365.32
1592	5873	77.84	208.91	105.22	322.46	110.47
2228	18525	77.75	132.21	104.11	205.3	78.51
4228	25702	77.64	655.42	142.03	490.51	176.05
2560	2587	77.62	1087.03	364.45	1666	451.19
1581	5711	77.52	622.81	297.26	1082.92	334.1
1457	2799	77.5	230.09	144.75	500.08	222.88
3993	18867	77.47	677.46	435.28	830.41	212.11
1923	14512	77.46	582.78	262.42	1069.95	371.04
67	20998	77.43	980.81	472.73	1254.99	328.95
996	14510	77.39	1876.72	770.4	3284.35	1189.09
3364	1173	77.32	802.93	643.06	1595.45	690.58
2970	32	77.28	214.07	60.12	299.71	82.68
3330	12524	77.27	518.08	136.59	389.04	109.44
3673	16204	77.11	972.01	210.14	762.9	200.18
159	6015	77.04	978.18	432.57	1521.61	386.02
3513	24434	77.01	118.64	62.4	236.44	99.22
2993	21052	76.99	160.04	82.51	295.08	107.92
3323	15141	76.99	210	49.83	144.06	46.64
1173	19458	76.95	316.27	152.68	507.89	142.85
4090	357	76.82	54.64	44.55	75.02	34.01
1737	1501	76.76	680.6	198.7	496.82	250.98
3749	21977	76.71	497.11	152.13	713.85	219.55

2611	14103	76.69	160.55	71.08	269.12	112.4
1182	3411	76.59	1332.3	361.54	1806.07	447.92
1214	23417	76.56	337.52	112.64	226.74	68.65
2609	3823	76.48	696.96	185.24	522.69	176.92
3976	13563	76.46	1272.5	1063.56	1181.18	312.74
1692	9016	76.41	1605.31	1194.36	2662.59	971.34
157	6007	76.37	426.96	77.88	554.92	111.97
3287	10503	76.36	455.68	101.8	583.59	128.28
1738	9336	76.17	114.48	64.74	276.17	169.66
1815	17850	75.94	504.84	132.42	376.73	95.85
2018	4091	75.94	470.39	101.29	340.3	94.39
3931	20707	75.81	453.29	493.23	610.87	290.64
710	17849	75.78	1570.36	493.86	1069.97	305.55
2618	19470	75.75	334.94	132.9	513.28	149.42
2245	14738	75.65	940.09	234.19	1342.28	357.93
2552	4093	75.62	725.12	144.3	565.89	161.11
1101	2569	75.55	677.8	411.57	914.77	283.28
2144	23390	75.5	673.73	232.49	440.42	149.99
2518	2299	75.49	214.32	101.04	359.78	126.42
4118	1478	75.46	289.8	109.15	427.18	117.78
4211	20872	75.26	958.3	204.21	758.78	262.97
2974	6406	75.26	125.54	80.07	56.2	78.4
3949	17887	75.22	822.69	360.31	1166.09	312.15
3743	4090	75.2	790.43	147.59	601.11	150.05
3557	19993	75.17	523.53	141.7	394.77	187.13
1273	26123	75.12	484.05	206.18	286.56	147.67
2252	5943	75.07	328.64	183.9	655.3	309.44
3237	23362	75.03	367.93	155.31	210.62	68.03
4038	23070	75.01	138.72	31.01	104.6	28.91
22	15654	74.95	474.6	162.84	320.1	145.23
2930	20430	74.9	480.93	246.6	834.64	378.27
274	17179	74.89	123.13	43.67	83.31	41.87
3620	20862	74.83	170.81	66.32	275.48	96.48
2761	11404	74.77	346.74	157.49	217.16	125.51
2146	17049	74.76	229.42	98.95	340.73	98.41
1381	3995	74.75	1188.34	436.49	1635.65	371.62
3679	24811	74.72	981.08	431.27	1520.23	449.47
900	22558	74.7	2457.9	548.19	3224.82	776.48
4158	794	74.65	580.03	190.24	808.8	226.58
4290	1561	74.64	608.51	210.01	881.05	218.39
2628	7888	74.59	350.2	109.39	262.65	140.26
242	22820	74.59	503.78	208.71	306.29	127.03
4033	6824	74.52	766.23	366.65	405.29	201.16
355	6390	74.47	113.7	53.01	59.45	38.3
772	23448	74.44	2363.27	1438.39	1051.79	811.05
2003	14962	74.38	493.78	167.48	409.25	114.02
296	1867	74.34	829.89	194.73	624.42	160.84
2548	14007	74.26	151.2	37.63	206.51	64.51
4238	4441	74.25	1007.74	178.02	846.6	218.02
2570	15955	74.24	144.38	137.03	195.89	92.94
4228	10109	74.11	1278.13	244.78	1040.49	219.4
2029	20466	74.06	293	99.2	431.14	148.29
3601	23854	74.05	625.85	175.43	447.35	146.56

3276	2149	73.99	737.52	211.62	978.87	219.16
3260	24771	73.92	782.11	295.53	1117.26	313.23
3205	16684	73.89	557.07	248.27	349.5	137.39
3344	356	73.83	112.43	92.51	147.13	64.24
3483	8984	73.79	259.82	81.37	178.26	56.75
4239	13646	73.69	981.81	229.01	741.19	192.24
3273	1550	73.66	224.43	157.87	437.37	210.13
3086	17292	73.65	513.55	224.67	758.44	246.74
4118	1479	73.54	209.56	82.63	298.91	94.51
3326	1447	73.54	297.12	61.7	239.48	59.43
3426	17324	73.53	266.43	79.83	381.68	117.25
4268	25747	73.47	582.23	229.47	421.39	232.45
3679	24810	73.37	236.63	127.1	422.34	148.72
1241	20741	73.34	59.11	43.76	21.05	29.08
3042	1529	73.27	449.84	139.42	573.7	126.21
3299	8182	73.2	1114.17	340.22	1464.93	330.86
3328	15535	73.14	665.35	137.93	516.19	134.91
541	8317	73.14	376.97	158.53	643.26	219.6
3421	15335	73.07	508.46	165.1	359.73	151.62
3747	17473	73.04	353.48	142.47	227.44	93.48
3236	20864	73.03	1059.38	686.68	453.34	352.78
97	24228	73.02	772.77	127.78	985.56	264.52
389	11635	72.98	198.14	66.56	294.4	87.69
3457	10509	72.96	95.38	35.94	139.78	54.12
4216	18606	72.92	948.1	210.63	722.76	173.7
3924	14959	72.83	749.08	210.81	531.96	170.07
2930	20429	72.81	390.99	171.02	631.51	260.07
3965	23321	72.68	255.86	108.44	237.45	63.41
3276	2150	72.65	638.05	142.4	786.77	162.3
2867	9134	72.46	588.63	132.56	469.81	104.59
3749	25480	72.46	421.15	151.83	611.36	191.9
2995	2505	72.44	552.09	200.64	759.15	189.26
3224	22582	72.41	297.74	125.32	441.85	141.39
3324	5749	72.4	265.17	70.18	195.41	85.11
2903	3815	72.39	104.79	28.13	79.23	25.37
3673	16205	72.34	1370.36	314.88	1090.44	256.99
3633	24645	72.3	292.1	102.19	400.77	171.29
2974	6405	72.26	61.65	28.48	39.31	34.42
3702	4748	72.22	870.64	350.08	1197.05	350.11
3327	3254	72.21	362.51	115.54	253.72	87.89
4190	21054	72.19	305.12	160.26	522.03	206.99
3010	17123	72.18	144.86	42.38	107.6	36.01
2868	2578	72.12	218.28	69.5	158.33	47.55
4227	17175	72.11	854.18	223.44	606.32	164.58
4208	25686	72.08	904.7	224.67	716.42	183.96
2933	293	72	146.02	67.63	238.27	84.09
472	9136	72	441.84	113.66	335.26	86.94
574	16507	72	123.55	29.96	93.01	34.31
4003	17549	71.96	794.93	142.99	652.37	145.68
3325	3987	71.94	342.64	83.07	267.98	77
578	18906	71.94	57.48	49.51	82.24	35.68
2831	20056	71.94	77.77	27.94	110.46	33.73
3268	11153	71.89	459.58	195.06	637.39	200.55

535	4259	71.88	828	158.81	689.63	128.92
3582	15700	71.84	328.33	95.82	452.19	123.16
4041	10545	71.84	320.5	112.94	215.12	86.12

TABLE 5HHH: CHOLESTASIS				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1241	20741	92.14	90.08	35.85	21.19	29.08
159	6015	91.66	744.06	225.7	1516.55	389.35
898	22554	91.2	667.59	247.27	1504.96	432.76
1969	23183	90.91	94.02	27.25	217.85	90.97
1566	20983	90.75	540.44	138.88	1004.27	289.02
2338	16703	90.59	706.11	95.31	1175.97	383.92
2494	6560	90.34	229.23	83.61	85.02	40.56
23	17613	90.29	494.29	84.97	304.32	124.95
1273	26123	89.7	529.03	110.36	288.98	151.21
2251	14384	89.38	385	62.18	245.77	62.65
4239	13646	89.19	1093.26	133.75	743.32	193.95
3434	19824	88.82	95.83	93.65	377.21	161.39
3295	17104	88.71	834.27	167.68	538.9	137.83
3260	24771	88.44	726.33	139.91	1112.86	316.28
3117	24707	88.25	620.55	153.06	1269.92	452.54
300	8872	88.2	716.19	111.07	490.95	240.53
3205	16684	88.17	673.37	172.01	351.04	140.57
744	4944	88.12	219.69	53.41	126.98	121.64
972	11231	87.96	818.71	78.36	630.9	136.28
4228	25702	87.88	703.29	94.66	492.38	176.47
2831	20056	87.8	61.19	18.18	110.19	33.69
1692	9016	87.69	1099.32	593.71	2653.47	981.88
2598	21871	87.58	497.12	102.43	321.25	77.28
2635	13294	87.55	529.85	77.35	345.67	105.58
3866	16809	87.45	63.15	19.66	29.36	25.68
4216	18606	87.45	1009.46	159.18	725.38	176.03
639	13088	87.45	523.66	325.72	1286.51	433.05
2261	3528	87.42	159.44	68.9	42.47	39.22
3859	15136	87.1	851.83	155.61	584.48	293.28
3924	14959	87.04	816.62	149.36	534.36	172.37
2618	19470	87	318.75	59.8	510.74	151.17
3809	23305	86.51	148.99	27.65	91.22	45.71
1029	24012	86.4	1706.26	780.38	400.68	296.15
2531	13966	86.4	247.11	39.78	173.83	43.76
3116	16306	86.32	675.36	164.39	1106.12	252.13
3389	6017	86.22	118.77	172.59	791.07	503.2
3901	17956	86.13	95.77	20.76	57.69	18.97
1416	7247	86.08	236.37	62.85	144.26	87.67
303	4490	86.06	461.78	90.27	303.75	139.97
214	9402	86.05	279.04	50.68	186.55	52.26
3024	1246	86	31.81	17.01	78.8	30.07
4209	23987	85.89	320.62	95.39	168.04	66.42
3434	19825	85.89	90.39	100.04	358.83	160.28

3949	17887	85.87	737.88	132.89	1161.98	316.82
2454	24013	85.81	166.12	57.09	61.55	62.16
789	16945	85.79	914.03	98.23	717.83	140.17
4033	6824	85.73	620.78	139.94	413.01	216.13
2340	22258	85.71	31.08	6.44	58.56	21.86
4041	10545	85.62	353.1	66.1	216.28	87.59
2503	23013	85.62	322.24	44.23	230.85	71.33
1581	5711	85.46	512.83	219.43	1077.36	336.81
1101	2569	85.43	436.6	171.55	914.58	286.29
4041	10544	85.38	257.71	40.73	178.71	71.27
2096	15684	85.27	623.14	133.04	358.56	134.49
698	4674	85.2	245.09	107.99	553.94	205.62
311	19211	85.19	202.33	58.11	118.63	48.13
22	15654	85.19	512.05	126.73	321.96	146.64
3291	5351	85.11	771.9	108.26	589.97	117
556	13647	85.09	1506.26	242.56	1015.34	335.18
3622	12313	85.09	803.88	1203.15	3739.92	1814.05
3445	17101	85.08	303.37	64.91	181.77	63.38
2881	20984	85.01	788.04	223.93	1187.62	298.92
3809	15090	84.98	98.5	12.85	70.45	24.28
1403	16783	84.98	96.08	41.76	28.43	39.83
3401	23491	84.97	316.82	108.47	137.45	62.47
4227	17175	84.95	983.14	170.88	608.3	165.88
1313	3665	84.95	325.86	73.28	197.48	75.25
1080	23714	84.95	236.21	68.5	104.55	57.21
1191	3705	84.9	114.33	34.32	60.36	26.44
160	6016	84.88	1292.73	333.16	2110.3	767.22
2014	20891	84.87	193.24	43.34	105.03	53.22
2874	970	84.84	412.68	209.81	98.53	101.64
2422	13729	84.82	382.69	85.3	202.69	94.02
1709	22929	84.82	222.73	282.8	1254.63	783.31
2715	19732	84.74	451.41	140.89	993.78	468.51
2429	18612	84.73	190.71	55.59	100.53	36.94
1005	11050	84.71	838.82	127.28	596.09	192.37
191	7690	84.66	238.76	91.24	60.07	120.66
3884	969	84.65	221.39	116.26	54.63	60.9
799	3794	84.65	98.73	36.78	31.72	46.53
2322	11660	84.58	132.32	20.04	95.48	33.62
2895	12613	84.55	155.89	38.68	96.23	46.52
943	12585	84.52	893.65	169.22	605.13	137.5
2146	17049	84.47	209.93	47.28	339.28	99.57
3431	22916	84.45	529.34	78.41	346.84	147.33
1723	9191	84.42	245.63	155.17	697.91	283.09
3743	4090	84.42	830.26	105.56	603.48	151.54
4208	25686	84.39	1008.27	167.91	717.85	185.05
3317	17502	84.36	150.71	46.17	82.47	49.96
162	3757	84.34	138.56	33.71	78.23	40.92
1060	8430	84.2	106.84	22.53	62.05	26.66
3189	17393	84.17	246.82	65.21	139.52	81.33
3200	17174	84.17	77.26	26.33	42.58	17.86
4110	22196	84.17	86.58	25.8	47.5	31.75
2609	3823	84.17	759.08	172.82	524.5	177.51
2855	16610	84.15	256.08	55.99	146.34	74.84



2035	3916	84.15	984.74	203.68	1546.53	408.03
4237	25718	84.14	685.09	130.78	433.33	109.06
309	21466	84.13	3525.99	1023.2	6579.04	2976.48
3344	356	84.02	63.78	32.89	147.29	65.08
4077	24469	83.99	818.37	140.61	619.4	199.26
3554	20380	83.94	75.74	35.74	170.48	70.01
3673	16204	83.88	1044.4	175.43	765.11	201.21
3483	8984	83.83	273.94	46.55	179.32	58.33
3010	17123	83.8	160.3	29.04	107.96	36.32
3673	16205	83.8	1480.52	214.2	1093.2	259.7
1870	18277	83.77	949.13	94.46	737.39	140.15
3142	16947	83.75	772.85	169.41	1158.46	321.33
3450	20299	83.69	338.61	214.95	730.99	246.16
3884	968	83.66	493.11	219.76	171.58	122.72
3657	24235	83.61	475.37	123.19	327.74	169.14
2833	23220	83.53	143.64	48.36	83.95	29.08
3647	18318	83.53	210.02	85.94	86.19	63.17
3620	20862	83.51	145.45	46.39	274.22	96.68
3775	25443	83.51	731.83	177.75	1122.89	336.53
1875	4235	83.43	491.5	85.11	325.66	121.73
3369	18573	83.37	187.56	28.65	132.44	33.53
1232	8426	83.34	60.2	17.67	37.11	20.62
3411	20716	83.27	1114.83	155.81	1649.53	473.56
3626	4234	83.18	779.09	129.56	613.91	299.98
1223	1308	83.18	57.53	26.59	20.45	17.92
73	18180	82.94	38.58	11.4	23.37	11.04
28	17688	82.81	81.87	20.5	55.67	29.7
2999	20464	82.63	1202.81	204.66	1789.09	559.04
574	16507	82.62	138.35	26.65	93.27	34.26
3860	18798	82.62	84.4	15.86	60.37	16.98
3199	17894	82.61	118.25	55.13	46.28	18.26
63	16730	82.57	52.77	17.55	24.62	25.08
112	21380	82.54	90.54	18.05	70.02	33.3
4072	25518	82.54	54.64	19.36	26.76	17.29
3236	20864	82.4	841.24	309.89	465.92	379.19
4011	16592	82.37	137.3	76.17	58.32	22.21
4215	20427	82.35	998.48	99.21	789.97	160.98
3649	9621	82.18	450.87	102.44	279.24	78.97
2266	14989	82.16	416.45	85.91	246.2	70.72
3936	4957	82.02	252.69	122.51	93.68	47.12
371	14124	81.93	87.57	23.21	53.83	62.64
3183	19110	81.92	209.34	79.55	100.76	104.09
3737	23895	81.92	104.84	31.06	57.01	19.33
4179	9842	81.82	1116.05	196.07	1609.83	413.06
4003	17549	81.79	859.77	122.88	653.65	145.85
3205	16683	81.68	135.69	38.68	75.48	34.7
469	18582	81.57	352.54	70.95	230.71	71.08
637	21980	81.46	825.23	217.56	501.52	157.27
3649	9620	81.46	691.46	102.17	530.85	111.08
1232	8427	81.44	71.94	23.53	31.97	25.04
33	16959	81.44	455.11	81.09	337.01	83.24
3408	24626	81.44	1300.08	141.79	1766.27	394.06
3190	9917	81.4	123.12	58.62	48.55	17.15

436	16416	81.33	153.16	43.15	108.14	61.2
3817	13369	81.31	215.38	31.05	165.73	42.32
3816	15269	81.31	260.07	39.98	183.46	53.04
3881	23307	81.23	92.72	18.81	67.45	26.26
3727	18492	81.17	254.19	55.76	173.22	62
3222	19949	81.14	213.35	57.75	145.42	41.98
3325	3987	81.04	376.65	54.58	268.65	77.43

**TABLE 5III: HEPATITIS**

**Attorney Docket 44921-5038-01-WO**

**Timepoint(s): Various**

**Document No. 1935828.1**

<b>SEQ ID NO</b>	<b>GLGC Identifier</b>	<b>LDA Score</b>	<b>Tox_Mean</b>	<b>Tox_SD</b>	<b>NonTox_Mean</b>	<b>NonTox_SD</b>
2654	6532	85.19	223.44	59.41	138.34	40.54
3309	20529	84.65	685.88	500.38	113.59	138.52
2169	13353	82.6	171.98	81.96	288.76	56.48
3133	20354	82.57	223.1	148.24	46.67	43.96
2229	21740	81.59	1448.49	618.99	715.13	252.93
1926	4969	81.5	904.09	601.25	243.18	209.99
3057	22515	80.96	1196	1162.05	94.19	281.83
1805	19769	80.58	1257.27	435.1	740.27	235.92
3143	960	80.5	131.11	51.24	218.3	64.52
2217	2161	80.33	1075.21	600.78	346.34	227.87
4030	20698	80.3	1903.78	966.73	866.13	377.41
1174	3773	80.19	205.25	126.8	63.46	51.98
3877	17709	80.19	102.6	51.82	35.96	40.49
2476	12587	80.14	48.63	39.86	111.33	47.26
1268	3121	80.11	443.89	231.43	830.94	241.08
1986	13167	79.98	76.27	20.48	115.28	31.01
370	21025	79.98	32.06	41.16	90.49	50.94
648	19411	79.92	93.71	56	32	16.5
435	20701	79.89	1739.07	815.35	854.66	336.97
1335	22619	79.87	518.38	182.48	293.49	105.78
3741	12577	79.78	547.97	398.82	145.74	108.54
246	21125	79.62	94.31	73.69	222.98	91.57
551	4244	79.6	93.61	33.17	155.43	48.67
2652	21281	79.54	208.78	63.76	310.16	78.18
1410	24200	79.37	955.52	460.95	423.15	223.45
1336	26133	79.35	453.37	246.61	184.07	211.62
2664	17664	79.26	619.55	303.89	269.89	142.81
2104	8215	79.18	640.26	221.32	379.61	125.48
3866	16809	79.13	94.45	67.95	27.69	19.96
2225	11536	79.08	300.55	93.01	508.41	193.96
1341	14491	79.07	250.4	82.02	155.54	63.55
2089	17591	78.99	222.63	90.4	126.46	38.38
2779	15170	78.91	110.06	56.54	199.04	54.54
3644	18389	78.86	53.99	32.24	20.78	29.03
866	22017	78.75	280.47	150.04	120.99	87.23
2111	21209	78.74	273.68	209.93	77.74	69.54
1321	10532	78.64	431.38	138.95	274.62	87.95
1654	8522	78.61	356.62	203.78	143.76	58.49
3567	1221	78.58	393.01	336	21.14	86.43

602	9053	78.56	31.52	31.1	75.91	32.25
1787	14208	78.56	82.48	35.65	142.67	50.27
1271	22018	78.55	300.65	112.77	170.83	85.85
17	18159	78.37	136.04	53.91	74.52	74.28
1489	7451	78.28	1775.99	568.64	1119.65	275.04
648	19410	78.28	143.96	40.96	86.38	28.24
3037	1223	78.28	235.78	82.05	134.5	79.38
1085	2430	78.25	66.49	41.52	22.48	26.71
2465	15426	78.1	192.78	42.26	268.57	62.27
787	24225	78.04	291.99	74.98	386.24	86.65
2230	2557	78.03	66.88	28.9	34.66	15.3
2127	11205	77.99	664.5	183	929.43	242.75
935	6720	77.98	140.71	111.52	28.02	95.66
2371	22569	77.96	88.79	42.82	150.58	55.53
576	11202	77.95	86.3	29.93	54.75	17.96
1440	21073	77.6	373.06	105.13	248.97	69.63
2575	14502	77.6	233.68	61.43	165.14	45.27
618	13332	77.58	121.59	76.28	232.63	81.86
2674	23583	77.38	136.19	75.07	55.12	36.14
3357	5622	77.38	2247.02	593.25	1573.74	347.68
2420	8917	77.38	102.79	62.89	40.81	40.57
194	19729	77.28	213.35	151.18	565.29	328.65
2684	15004	77.27	357.34	139.02	235.19	156.73
1928	1841	77.21	153.51	107.56	44	45.85
3240	21078	77.19	488.43	145.36	746.56	212.27
2968	19	77.16	966.28	335.28	580.05	197.2
3925	15961	77.16	114.38	66.55	46.93	42.39
1138	3189	77.09	49.68	25.45	114.42	63.8
263	19412	77.08	641.91	207.2	379.3	104.76
3749	21977	77.08	398.26	213.07	717.73	213.65
2710	14776	77.08	85.43	50.5	149.81	48.13
4228	25702	77.05	672.27	202.24	489.5	173.42
2027	6479	77.05	1684.29	565.47	1022.32	369.89
252	21150	77.05	166.05	123.27	40.17	128.71
464	5384	76.91	107.89	92.63	24.83	58.5
1991	11693	76.87	183.04	140.9	415.11	242.1
2072	4868	76.81	178.55	64.21	277.21	75.52
1286	344	76.72	2148.77	782.81	1250.16	527.97
780	23978	76.65	53.63	24.46	81.63	29.84
1599	6825	76.62	292.14	112.44	431.5	114.14
434	16327	76.59	337.83	147.3	550.45	154.29
2513	23182	76.59	80.19	38.97	164.37	75.73
3776	23558	76.51	205.54	94.8	335.04	80.06
1607	10069	76.51	239.3	65.49	162.7	76.74
586	23783	76.4	367.82	144.98	560.24	130.04
2770	14937	76.35	74.26	31.25	121.15	36.46
3466	13479	76.35	260.63	105.66	409.62	121.8
69	11423	76.31	59.15	30.69	33.16	14.65
877	15606	76.29	439.18	116.76	616.36	137.2
1437	11191	76.27	386.22	395.68	1160.14	753.05
4216	25691	76.24	1112.37	213.01	880.46	306.88
2255	6262	76.16	306.86	97.6	464.02	145.84
2106	5339	76.12	1087.88	582.58	484.12	233.06

2086	11426	76.12	204.72	106.99	119.44	48.38
852	12277	76.1	114.66	79.06	30.78	36.57
887	12301	76.07	227.8	89.7	135.03	63.88
1419	2670	76.07	94.76	84.47	219.55	117.6
3455	6263	76.05	196.73	68.43	295.27	100.4
3749	25480	76.02	346.3	188.86	614.37	187.63
600	17590	75.99	186.99	97.44	103.68	41.56
2232	9712	75.99	48.43	38.82	87.6	37.71
2219	2536	75.99	216.57	171.6	610.36	344.96
3582	15700	75.96	315.13	95.29	452.97	122.6
3953	16993	75.96	684.13	410.26	1070.23	283.86
3171	18564	75.96	263.96	90.74	385.53	95.12
961	1809	75.93	1186.61	1256.28	100.37	691.24
600	17589	75.9	103.12	74.72	31.28	29.34
3016	1844	75.66	240.62	130.36	110.96	56.37
221	18723	75.36	414.12	98.63	560.47	124.86
1430	1409	75.36	258.24	108.2	416	110.72
394	21707	75.17	129.5	88.96	38.35	48.56
498	9905	75.17	448.73	140.85	653.71	147.4
3779	16134	75.12	50.24	33.8	107.77	54.16
2963	43	75.04	275.18	107.99	440.5	129.15
3807	1127	75.01	54.77	35.42	132.68	106.49
3208	14997	74.97	727.29	466.27	274.5	256.4
2802	19952	74.87	73.16	36.85	129.15	51.29
507	20523	74.86	213.55	195.22	43.75	52.13
2958	25370	74.85	73.05	47.97	159.16	91.66
3120	1850	74.76	3940.44	2490.47	2421.78	994.13
636	12312	74.73	633.19	253	983.49	261.14
3503	17567	74.73	1374.9	222.13	1176.07	213.88
450	15410	74.71	261.99	54.95	355.34	84.5
4158	794	74.65	494.55	292.28	812.28	219.24
492	11959	74.6	62.74	24.79	98.12	31.21
555	22867	74.6	181.38	56.74	253.14	66.42
3447	20248	74.57	36.29	11.89	23.9	15.77
3197	11904	74.51	120.95	65.02	58.58	41.48
2982	17883	74.49	32.83	10.85	22.09	15.53
4162	851	74.32	325.42	112.25	440.25	103.99
3965	23321	74.27	157.42	87.01	240.68	62.64
677	1578	74.22	24.28	13.7	44.84	17.94
115	19103	74.21	515.02	246.96	752	230.58
2871	811	74.1	487.49	178.05	682.5	143.93
4228	10109	74.07	1328.91	368.41	1038.15	211.11
589	4590	74	31.31	22.8	52.03	26.82
2841	3292	73.94	4673.65	3021.02	2495.2	1241.78
3834	15002	73.94	218.02	94.89	138.71	73.56
4290	1561	73.91	1227.46	383.54	861.17	205.43
4144	699	73.85	905.09	272.9	601.96	143.39
2946	15378	73.78	75.68	28.98	120.31	37.39
3044	4198	73.77	1367.98	283.56	1081.44	224.98
596	19443	73.73	930.76	318.25	1381.35	432.79
576	11203	73.69	72.98	35.89	41.44	16.27
3466	13480	73.67	492.44	158.54	735.66	179.45
3652	24219	73.66	598.86	272.69	373.62	181.18

3180	18695	73.62	73.29	25.91	117.33	47.28
615	3131	73.62	281.05	109.32	441.09	153.75
3199	17894	73.45	71.39	25.91	46.5	20.4
4198	15652	73.45	1849.73	323.35	1491.36	363.06
3080	25317	73.39	1991.17	610.79	1364.85	451.42
1228	23044	73.34	224.47	70.74	150.77	54.5
3490	12606	73.34	505.74	307.66	748.02	233.25
3016	1843	73.31	49.54	24.82	28.93	15.86
3710	16726	73.29	545.56	188.44	799.89	192.44
3269	18453	73.26	326.42	276.99	652.91	259.76
2877	134	73.26	65.63	53.79	119.84	51.3
4181	412	73.25	2812.13	1414.38	1604.48	771.99
3800	21709	73.23	234.87	45.04	192.24	46.77
2968	20	73.12	543.32	225.55	340.68	128.61
393	14139	73.12	34.81	15.11	53.35	18.1
389	11635	73.07	201.89	80.06	294.54	87.37
3047	1694	73.06	1340.6	291.11	1067	228.73
2206	15191	73.04	3258.78	2347.81	1154.02	1229.65
2894	14933	72.93	35.74	28.33	51.32	21.05
4048	1753	72.91	268.73	115	446.66	170.87
3141	23445	72.88	109.37	89.84	239.79	130.02
4093	1583	72.87	49.4	24.94	27.97	13.12
523	9826	72.85	28.76	25.99	51.99	20.68

TABLE 5JJJ: HEPATITIS				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3309	20529	84.65	685.88	500.38	113.59	138.52
2169	13353	82.6	171.98	81.96	288.76	56.48
1926	4969	81.5	904.09	601.25	243.18	209.99
3057	22515	80.96	1196	1162.05	94.19	281.83
1805	19769	80.58	1257.27	435.1	740.27	235.92
3143	960	80.5	131.11	51.24	218.3	64.52
2217	2161	80.33	1075.21	600.78	346.34	227.87
4030	20698	80.3	1903.78	966.73	866.13	377.41
3877	17709	80.19	102.6	51.82	35.96	40.49
1174	3773	80.19	205.25	126.8	63.46	51.98
2476	12587	80.14	48.63	39.86	111.33	47.26
370	21025	79.98	32.06	41.16	90.49	50.94
1986	13167	79.98	76.27	20.48	115.28	31.01
648	19411	79.92	93.71	56	32	16.5
3741	12577	79.78	547.97	398.82	145.74	108.54
246	21125	79.62	94.31	73.69	222.98	91.57
551	4244	79.6	93.61	33.17	155.43	48.67
1410	24200	79.37	955.52	460.95	423.15	223.45
1336	26133	79.35	453.37	246.61	184.07	211.62
2104	8215	79.18	640.26	221.32	379.61	125.48
2225	11536	79.08	300.55	93.01	508.41	193.96
1341	14491	79.07	250.4	82.02	155.54	63.55
2089	17591	78.99	222.63	90.4	126.46	38.38

2779	15170	78.91	110.06	56.54	199.04	54.54
866	22017	78.75	280.47	150.04	120.99	87.23
2111	21209	78.74	273.68	209.93	77.74	69.54
1321	10532	78.64	431.38	138.95	274.62	87.95
1654	8522	78.61	356.62	203.78	143.76	58.49
602	9053	78.56	31.52	31.1	75.91	32.25
1271	22018	78.55	300.65	112.77	170.83	85.85
17	18159	78.37	136.04	53.91	74.52	74.28
3037	1223	78.28	235.78	82.05	134.5	79.38
1489	7451	78.28	1775.99	568.64	1119.65	275.04
1085	2430	78.25	66.49	41.52	22.48	26.71
2465	15426	78.1	192.78	42.26	268.57	62.27
787	24225	78.04	291.99	74.98	386.24	86.65
2230	2557	78.03	66.88	28.9	34.66	15.3
2127	11205	77.99	664.5	183	929.43	242.75
935	6720	77.98	140.71	111.52	28.02	95.66
2371	22569	77.96	88.79	42.82	150.58	55.53
576	11202	77.95	86.3	29.93	54.75	17.96
2575	14502	77.6	233.68	61.43	165.14	45.27
1440	21073	77.6	373.06	105.13	248.97	69.63
2420	8917	77.38	102.79	62.89	40.81	40.57
3357	5622	77.38	2247.02	593.25	1573.74	347.68
2674	23583	77.38	136.19	75.07	55.12	36.14
194	19729	77.28	213.35	151.18	565.29	328.65
2684	15004	77.27	357.34	139.02	235.19	156.73
1928	1841	77.21	153.51	107.56	44	45.85
3240	21078	77.19	488.43	145.36	746.56	212.27
3925	15961	77.16	114.38	66.55	46.93	42.39
2968	19	77.16	966.28	335.28	580.05	197.2
1138	3189	77.09	49.68	25.45	114.42	63.8
2710	14776	77.08	85.43	50.5	149.81	48.13
3749	21977	77.08	398.26	213.07	717.73	213.65
252	21150	77.05	166.05	123.27	40.17	128.71
2027	6479	77.05	1684.29	565.47	1022.32	369.89
4228	25702	77.05	672.27	202.24	489.5	173.42
1991	11693	76.87	183.04	140.9	415.11	242.1
2072	4868	76.81	178.55	64.21	277.21	75.52
1286	344	76.72	2148.77	782.81	1250.16	527.97
780	23978	76.65	53.63	24.46	81.63	29.84
2513	23182	76.59	80.19	38.97	164.37	75.73
434	16327	76.59	337.83	147.3	550.45	154.29
1607	10069	76.51	239.3	65.49	162.7	76.74
3776	23558	76.51	205.54	94.8	335.04	80.06
586	23783	76.4	367.82	144.98	560.24	130.04
3466	13479	76.35	260.63	105.66	409.62	121.8
2770	14937	76.35	74.26	31.25	121.15	36.46
1437	11191	76.27	386.22	395.68	1160.14	753.05
4216	25691	76.24	1112.37	213.01	880.46	306.88
2255	6262	76.16	306.86	97.6	464.02	145.84
2086	11426	76.12	204.72	106.99	119.44	48.38
2106	5339	76.12	1087.88	582.58	484.12	233.06
852	12277	76.1	114.66	79.06	30.78	36.57
1419	2670	76.07	94.76	84.47	219.55	117.6

887	12301	76.07	227.8	89.7	135.03	63.88
3455	6263	76.05	196.73	68.43	295.27	100.4
3749	25480	76.02	346.3	188.86	614.37	187.63
2219	2536	75.99	216.57	171.6	610.36	344.96
600	17590	75.99	186.99	97.44	103.68	41.56
1146	3452	75.99	98.23	77.85	29.92	28.12
3582	15700	75.96	315.13	95.29	452.97	122.6
3171	18564	75.96	263.96	90.74	385.53	95.12
2768	13513	75.96	176.8	41.22	123.35	44.29
3953	16993	75.96	684.13	410.26	1070.23	283.86
2223	13697	75.94	38.01	20.64	58.31	20.35
961	1809	75.93	1186.61	1256.28	100.37	691.24
2607	6033	75.91	713.46	213.45	999.25	270.65
1743	10918	75.9	241.58	88.86	159.25	57.98
600	17589	75.9	103.12	74.72	31.28	29.34
851	19220	75.88	136.17	39.34	187.84	57.74
293	19575	75.88	226.17	66.98	324.7	94.79
2651	12736	75.85	128.87	69.66	70.72	34.35
1585	20524	75.79	126.78	129.45	20.23	38.43
1513	10710	75.72	118.91	34.5	178.74	58.97
186	4330	75.69	1032.49	499.42	1534.42	449.57
2224	23547	75.69	245.18	72.35	165.13	44.53
1952	7122	75.66	604.13	225.95	399.08	93.85
3016	1844	75.66	240.62	130.36	110.96	56.37
221	18723	75.36	414.12	98.63	560.47	124.86
1430	1409	75.36	258.24	108.2	416	110.72
394	21707	75.17	129.5	88.96	38.35	48.56
498	9905	75.17	448.73	140.85	653.71	147.4
3779	16134	75.12	50.24	33.8	107.77	54.16
2963	43	75.04	275.18	107.99	440.5	129.15
3807	1127	75.01	54.77	35.42	132.68	106.49
3208	14997	74.97	727.29	466.27	274.5	256.4
2802	19952	74.87	73.16	36.85	129.15	51.29
507	20523	74.86	213.55	195.22	43.75	52.13
3120	1850	74.76	3940.44	2490.47	2421.78	994.13
636	12312	74.73	633.19	253	983.49	261.14
3503	17567	74.73	1374.9	222.13	1176.07	213.88
450	15410	74.71	261.99	54.95	355.34	84.5
4158	794	74.65	494.55	292.28	812.28	219.24
492	11959	74.6	62.74	24.79	98.12	31.21
555	22867	74.6	181.38	56.74	253.14	66.42
3447	20248	74.57	36.29	11.89	23.9	15.77
2982	17883	74.49	32.83	10.85	22.09	15.53
4162	851	74.32	325.42	112.25	440.25	103.99
3965	23321	74.27	157.42	87.01	240.68	62.64
677	1578	74.22	24.28	13.7	44.84	17.94
115	19103	74.21	515.02	246.96	752	230.58
2871	811	74.1	487.49	178.05	682.5	143.93
4228	10109	74.07	1328.91	368.41	1038.15	211.11
589	4590	74	31.31	22.8	52.03	26.82
2841	3292	73.94	4673.65	3021.02	2495.2	1241.78
3834	15002	73.94	218.02	94.89	138.71	73.56
4290	1561	73.91	1227.46	383.54	861.17	205.43

4144	699	73.85	905.09	272.9	601.96	143.39
2946	15378	73.78	75.68	28.98	120.31	37.39
3044	4198	73.77	1367.98	283.56	1081.44	224.98
596	19443	73.73	930.76	318.25	1381.35	432.79
576	11203	73.69	72.98	35.89	41.44	16.27
3466	13480	73.67	492.44	158.54	735.66	179.45
3652	24219	73.66	598.86	272.69	373.62	181.18
3180	18695	73.62	73.29	25.91	117.33	47.28
615	3131	73.62	281.05	109.32	441.09	153.75
3199	17894	73.45	71.39	25.91	46.5	20.4
4198	15652	73.45	1849.73	323.35	1491.36	363.06
3080	25317	73.39	1991.17	610.79	1364.85	451.42
1228	23044	73.34	224.47	70.74	150.77	54.5
3490	12606	73.34	505.74	307.66	748.02	233.25
3016	1843	73.31	49.54	24.82	28.93	15.86
3710	16726	73.29	545.56	188.44	799.89	192.44
3269	18453	73.26	326.42	276.99	652.91	259.76
2877	134	73.26	65.63	53.79	119.84	51.3
4181	412	73.25	2812.13	1414.38	1604.48	771.99
3800	21709	73.23	234.87	45.04	192.24	46.77
2968	20	73.12	543.32	225.55	340.68	128.61
393	14139	73.12	34.81	15.11	53.35	18.1
389	11635	73.07	201.89	80.06	294.54	87.37
3047	1694	73.06	1340.6	291.11	1067	228.73
2206	15191	73.04	3258.78	2347.81	1154.02	1229.65
2894	14933	72.93	35.74	28.33	51.32	21.05
4048	1753	72.91	268.73	115	446.66	170.87
3141	23445	72.88	109.37	89.84	239.79	130.02
4093	1583	72.87	49.4	24.94	27.97	13.12
523	9826	72.85	28.76	25.99	51.99	20.68
3209	16472	72.8	22.42	11.5	47.24	28.65
2962	25052	72.79	283.57	334.72	25.65	120.49
2320	1572	72.79	111.28	42.96	72.06	31.45
3435	20090	72.76	180.42	102.74	107.22	36.61
4202	19244	72.74	1396.24	317.12	1097.32	242.02
3241	15612	72.72	188.45	134.19	453.11	329.12
3144	10248	72.66	44.57	22.72	25.35	25.09
4114	1558	72.66	49.45	32.85	93.19	39.59
2952	107	72.64	77.74	35.72	131.66	73.29
4241	15387	72.6	665.35	155.05	516.09	117.06
439	15313	72.52	58.54	44.05	26.75	36.48

**TABLE 5KKK: HUMAN-SPECIFIC**  
**Timepoint(s): Various**

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1325	22840	84.24	1437.82	354.49	869.42	254.39
3749	21977	83.48	394.62	163.59	711.62	218.59
1822	22628	83.17	24.41	23.17	71.81	35.19
1261	11728	82.46	396.78	157.22	193.35	227.55
3704	10176	82.2	286.02	83.53	442.98	97.63



2958	25370	81.97	58.97	31.75	157.69	91.68
3465	12083	81.88	123.62	40.01	245.58	116.05
3489	12422	81.87	44.25	11.06	69.18	21.54
268	11726	81.81	256.56	118.57	137	181.69
3465	12082	81.78	138.78	63.81	334.33	158.96
618	13332	81.75	124.87	45.9	230.44	83.51
3776	23558	81.5	227.72	74.88	332.25	83
1828	17400	81.39	230.72	82.17	107.7	67.04
263	19412	81.18	625.46	163.44	384.58	114.96
1497	1114	81.09	781.13	150.16	564.27	206.35
2218	3431	81.05	1422.28	244.27	1039.62	311.19
1489	7451	80.88	1704.79	485.07	1133.26	301.45
1479	21933	80.67	7289.09	1187.54	4974.89	1772.86
1117	2905	80.54	330.91	78.71	499.51	190.91
1271	22018	80.53	275.1	87.29	173.67	89.09
1410	24200	80.46	1111.18	554.09	431.33	233.89
3882	921	80.31	20.08	13.18	43.23	18.5
2169	13353	80.16	176.88	80.17	286.44	59.45
1081	19145	79.95	373.59	66.2	293.21	67.08
2910	10184	79.9	66.91	31.6	122.21	58.89
3083	20744	79.88	934.9	509.63	340.73	292.71
3208	14997	79.7	808.58	498.6	282.14	266.62
935	6720	79.7	137.35	104.08	30.23	97.39
648	19410	79.65	147.55	38.33	87.45	29.57
3180	18695	79.62	62.1	17.65	116.63	47.24
813	17496	79.55	70.11	50.43	258.48	181.02
2132	1957	79.52	2181.43	386.64	1405.97	584.79
1358	6919	79.51	968.3	521.33	336.6	282.78
1631	10169	79.39	174.71	62.99	97.31	43.79
3349	20778	79.39	48.01	20.52	74.39	18.42
2111	21209	79.38	323.79	227.65	80.84	76.99
3801	18795	79.31	1021.62	404.03	535.47	193.73
954	21968	79.29	91.57	32.36	155.66	63.73
1055	23031	79.28	26.23	24.22	91.16	71.8
3171	18564	79.25	261.49	76.52	383.22	96.61
1748	9432	79.23	85.63	33.77	50.87	37.6
901	402	79.13	2057.39	710.38	1195.52	401.96
1372	6044	79.09	980.67	209.4	751.52	209.84
1437	11191	79.02	390.46	293.11	1145.16	755.97
888	12140	79.02	138.58	27.68	90.34	64.51
1319	19092	78.97	3663.99	526.05	2786.47	684.63
2713	14312	78.89	378.06	65.93	495.88	137.48
3877	17709	78.88	107.24	59.27	37.18	41.53
257	12108	78.86	246.95	59.37	355.54	99.6
2626	3073	78.82	32.6	23.82	102.18	90.8
2968	20	78.75	594.54	222.67	343.9	133
16	20042	78.73	1003.07	216.55	645.21	257.9
394	21707	78.73	162.01	111.15	39.68	49.73
885	22452	78.7	960.47	557.34	392.16	328.5
1502	7583	78.68	228.76	126.78	49.16	123.23
1095	2514	78.64	993.58	369.54	543.64	280.42
2217	2161	78.49	1045.81	594.64	360.79	261.88
891	12306	78.46	2478.81	1208.77	1128.61	492.12

268	11727	78.4	292.65	143.54	183.04	242.97
2175	22906	78.33	1389.24	754.41	551.23	409.34
1426	2242	78.29	3622.99	1276.38	2414.77	867.53
293	19575	78.25	218.29	50.87	322.91	95.32
2287	13389	78.13	22.03	24.27	52.75	25.56
246	21125	78.06	102.32	88.94	220.39	92.92
165	4017	77.98	52.57	15.23	76.26	29.77
2206	15191	77.95	3619.23	2031.67	1189.78	1291.95
893	23029	77.95	309.4	199.62	774.42	457.96
1557	5523	77.87	832.64	284.21	457.1	305.15
3567	1221	77.83	321.74	281.91	29.27	114.79
473	18397	77.8	59.44	18.44	39.4	28.71
2277	14425	77.8	1489.83	906.78	442.39	416.21
3133	20354	77.75	217.48	158.68	50.15	53.78
1174	3773	77.72	169.93	103.2	66.67	59.37
1622	8600	77.69	25.88	38.63	81.46	56.67
3612	23569	77.63	185.99	54.76	261.79	59.35
1366	6986	77.63	222.4	51.16	150.37	58.74
2082	18660	77.63	78.49	24.98	130.16	52.58
3123	4002	77.63	88.99	20.17	127.35	41.79
3466	13479	77.62	273.15	118.63	406.58	123.27
2084	22340	77.6	337.31	92.44	529.36	183.71
3792	21940	77.56	272.48	81.53	394.79	112.01
4099	1639	77.55	135.8	40.16	197.55	45.66
1891	17768	77.54	606.75	115.77	772.57	144.1
1257	1805	77.49	2206.4	549.17	1444.53	630.29
2106	5339	77.48	1249.53	696.92	493.6	248.82
2102	11504	77.45	449.62	157.25	708.33	224.61
1427	17132	77.43	4521.4	997.41	3453.96	1046.97
3982	15189	77.41	4278.64	2464.35	1627.27	1623.23
2968	19	77.37	1037.61	366.95	586.54	205.06
1104	16680	77.32	230.94	115.18	400.82	135.74
3516	23608	77.29	827.62	365.14	393.95	179.15
1157	3722	77.27	598.89	155.66	394.17	143.77
52	21679	77.27	34.85	16.31	61.91	24.06
1513	10710	77.24	115.76	28.9	177.63	59.17
1861	20542	77.24	149.29	26.62	116.42	42
2542	4703	77.2	743.74	280.28	419.12	237.06
2225	11536	77.2	310.62	85.6	504.27	194.81
1686	514	77.13	364.25	86.27	254.71	91.51
3582	15700	77.11	317.02	76.81	450.28	123.79
713	12210	77.1	558.33	178.98	316.33	178.22
4091	2010	76.89	3919.07	1538.49	2669.01	1250.02
3489	12423	76.82	111.83	26.15	169.3	72.58
3080	6477	76.61	3083.49	926.01	2253.54	859.82
3982	15190	76.53	4664.62	2400.07	1803.1	1674.56
493	17693	76.5	113.84	37.59	211.77	128.43
3024	1246	76.44	44.79	17.25	78.58	30.33
615	3131	76.2	267	103.71	438.19	154.44
3668	20743	76.05	93.27	24.47	140.84	38.05
109	23368	76	36.91	21.97	76.65	35.22
2802	19952	75.99	80.45	34.08	127.97	51.75
3029	1973	75.98	283.34	69.05	392.8	106.86

2258	1169	75.93	38.34	10.11	63.46	34.46
3426	17324	75.9	247.92	83.06	380.02	117.37
3792	21941	75.88	340.65	75.78	463.69	109.92
3378	16449	75.86	184.98	103.27	332.27	190.55
3749	25480	75.86	384.35	140.12	608.7	192.43
3362	21090	75.85	82.45	43.47	147.1	55.77
2207	26029	75.79	310.57	196.68	196.7	332.64
3153	373	75.77	284.68	114.89	476.29	164.84
551	4244	75.72	102.54	49	154.12	49.13
3595	24508	75.68	171.11	70.36	112.35	46.67
3386	20735	75.64	285.82	128.7	188.63	132.06
2894	14933	75.63	26.63	26.27	51.15	21.24
1430	1409	75.57	267.04	98.98	412.84	113.05
1942	13090	75.56	26.25	30.71	81.24	66.75
648	19411	75.53	70.68	27.45	33.5	21.46
3605	17300	75.52	42.83	19.22	67.76	26.81
4148	1731	75.52	54.61	24.66	84.25	30.69
4048	1753	75.44	271.25	100.03	443.2	171.87
581	19085	75.39	146.43	58.83	86.02	45.82
4162	851	75.35	339.64	108.01	437.84	105.59
342	10517	75.32	33.63	9.62	45.64	11.52
3166	16871	75.16	39	8.86	57.34	23.73
3080	6478	75.16	4878.91	2045.76	3213.89	1789.74
602	9053	75.07	28.69	28.29	75.09	32.78
4030	20698	75.03	1766.99	880.06	887.97	428.52
3319	15299	75.02	149.67	123.48	77.39	128.38
3275	6013	75	2510.29	636.71	1896.39	624.56
2469	7067	74.9	223.91	82.58	337.9	92.02
3866	16809	74.84	79.79	55.92	29.18	24.62
2539	13092	74.72	87.8	86.79	222.03	123.26
3626	4234	74.63	759.33	181.76	614.35	299.69
3123	4003	74.58	114.34	28.03	179.28	80.55
1812	23837	74.55	33.28	9.97	55.19	26.61
3956	1546	74.55	242.59	59.39	301.49	75.11
435	20701	74.52	1569.77	736.94	873.99	379.6
3057	22515	74.45	1090.61	1299.95	116.84	354.19
576	11202	74.43	72.84	20.68	55.54	19.16
3424	18727	74.41	1041.79	296.09	760.15	382.87
4058	25064	74.4	1021.41	432.29	1190.34	355.96
3016	1843	74.38	56.29	29.21	29.24	16.11
573	17468	74.35	448.74	80.13	563.38	116.21
4231	1141	74.24	237.35	53.35	176.45	55.87
2543	18402	74.19	48.27	14.82	69.85	21.07
555	22867	74.15	182.26	51.51	251.75	67.04
3579	1792	74.02	194.59	59.08	303.36	111.8
3895	8640	73.98	217.48	94.58	125.61	91.84
3432	19710	73.97	335.06	92.06	238.53	107.23
3019	20699	73.96	2777.64	805.72	2126	824.57
3334	14004	73.9	37.61	15.31	76.03	62.83
3321	20601	73.81	567.23	233.73	974.04	458.89
2841	3292	73.72	4467.58	2433.76	2539.97	1352.98
1507	1876	73.7	559.04	194.56	776.44	201.8
2258	1170	73.68	70.66	21.59	110.77	55.21

523	9826	73.64	25.81	24.52	51.58	21.01
538	12010	73.59	69.42	18.66	106.46	37.49

TABLE 5LLL: Inducer and Liver Enlargement				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3472	20915	81.71	1357.88	797.41	507.57	306.08
3629	6673	80.12	569.69	134.49	806.36	247.49
1314	12071	79.67	401.9	136.67	643.43	180.12
2243	15146	79.64	113.08	46.74	226.46	110.55
3156	17541	79.32	2743.59	1047.5	1592.85	586.82
3879	15125	79.2	2842.86	1394.32	1608.65	535.95
3044	4198	79.03	835.29	124.05	1099.33	230.51
2625	14131	78.92	110.62	82.52	31.86	27.47
2027	6479	78.51	610.47	262.11	1058.34	390.72
2185	7022	78.41	102.69	55.02	35.25	36.09
2368	9032	78.19	804.57	191.86	598.36	153.21
611	8438	77.99	45.32	29.77	95.82	44.95
184	4291	77.98	159.97	73.17	314.14	138.5
3682	20724	77.92	47.7	29.7	86.32	32.64
2611	14103	77.91	146.35	59.13	269.95	112.07
143	2544	77.65	147.84	46.91	224.99	67.65
3426	17324	77.65	263.78	66.86	382.15	117.35
3202	17401	77.32	204.21	88.35	440.87	216.67
717	16067	77.08	357.79	157.08	164.36	110.94
3629	6672	77.03	50.65	17.13	78.82	25.22
784	12386	77.02	135.03	51.86	227.77	84.85
1868	7223	76.99	367.26	91.11	246.51	70.47
3528	15755	76.95	500.12	167.48	748.54	175.96
3716	17601	76.83	57.78	25.38	103.87	39.5
310	17766	76.82	612.13	93.59	484.14	91.21
3898	8820	76.67	71.07	30.02	41.75	33.08
378	11827	76.6	23.35	6.73	39.11	17.22
3473	8212	76.56	2844.24	967.49	1951.8	704.21
2535	3581	76.55	428.5	101.19	306.63	72.34
3141	23445	76.55	100.16	72.37	240.17	130.04
1171	17470	76.27	288.91	122.93	150.05	76.41
3653	5497	76.2	434.15	183.08	649.4	184.65
3250	18989	75.89	2841.79	1727.07	1431.62	573.74
2964	1795	75.75	1189.63	728.56	510.99	334.94
4235	21657	75.61	462.08	165.28	762.09	292.8
2338	16703	75.55	1812.5	580.21	1147.47	357.53
3565	15120	75.49	158.84	36.08	238.23	94.67
1720	9805	75.48	555.5	140.45	386.54	94.93
2919	12155	75.45	2368.04	2360.22	572.57	410.44
3879	15127	75.3	1257.57	486.54	674.31	302.62
1275	23917	75.26	1285.56	577.93	814.72	342
2620	23296	75.25	495.81	137.77	330.23	95.8
3044	4199	75.13	689.15	154.38	899.09	203.59
3653	5496	75.08	323.55	139.72	498.43	153.01

2337	22802	75.03	63.91	24.72	109.02	53.45
758	5026	75.02	32.08	39.61	122.05	86.86
1268	3121	74.96	1226.38	402.34	804.64	231.33
4118	1479	74.87	200.76	71.6	299.5	94.41
1806	21056	74.79	191.7	54.91	257.01	72.37
3927	9268	74.77	269.61	125.35	155.86	54.66
3557	19992	74.76	881.24	236.92	614.26	213.08
2935	12156	74.73	2833.78	3074.47	422.63	506.52
3836	17155	74.73	225.73	81.81	135	60.86
1787	14208	74.71	89.89	38.85	142.45	50.46
4030	20698	74.64	563.9	164.59	910.96	450.64
470	21917	74.62	30.66	14.51	76.73	66.47
3879	15126	74.5	2113.36	872.47	1247.44	500.98
299	3925	74.45	1123.43	311.95	806.43	297.82
2592	3860	74.44	715.73	289.22	383.81	143.83
2663	14202	74.43	115.02	55.72	56.76	51.95
2822	18295	74.4	72.77	35.66	118.51	48.1
1881	24323	74.38	549.98	139.07	412.1	103.39
2049	22707	74.35	29.28	15.96	53.4	24.1
3993	18867	74.1	661.28	442.42	831.46	209.88
2552	4093	74.06	733.35	154.45	565.09	160.3
214	9402	74.05	138.18	31.4	189.55	53.15
3322	20914	74.04	1034.46	1047.32	209.39	203.19
3268	11153	74.02	415.59	170.72	639.47	199.55
926	21382	74.01	124.5	34.9	182.93	63.6
3954	4312	74	289.09	281.36	56.11	138.04
2033	8213	73.98	5073.74	1865.14	3387.66	1342.21
2579	14390	73.98	103.52	18.95	83.06	19.6
3093	18749	73.96	208.45	163.58	57.88	42.14
3162	15872	73.93	310.84	116.91	505.13	168.2
3879	15124	73.81	2066.34	877.47	1326.87	404.07
3101	18726	73.77	249.86	74.81	366.36	114.75
1621	5549	73.71	93.55	51.18	42.99	65.36
2131	15673	73.66	1183.22	314.09	911.4	183.31
2248	3969	73.59	466.47	120.45	575.17	143.79
2363	14586	73.57	552.83	105.46	446.44	96.58
136	1822	73.52	32.71	13.65	56.48	23.25
2021	3256	73.5	1349.88	363.84	1003.68	275.51
3357	5622	73.49	1210.26	325.65	1608.5	372.01
3485	9296	73.45	927.31	201.31	711.93	160.38
299	3924	73.44	448.13	107.79	322.57	113.24
435	20701	73.44	580.85	171.68	893.42	395.57
2510	8036	73.41	121.88	50.9	191.37	67.12
181	4250	73.41	100.43	28.79	137.62	37.73
2888	1888	73.38	65.91	43.7	31.26	34.19
1565	6941	73.34	109.34	62.47	34.85	59.77
1449	7225	73.34	275.06	61.15	345.74	95.13
402	16320	73.31	66.47	21.72	100.68	32.33
3198	1588	73.29	160.78	45.74	237.17	84.84
1932	9595	73.29	128.37	36.86	182.28	57.95
3293	21975	73.28	219.86	113.17	270.04	80.28
726	3963	73.26	340.36	77.76	434.04	111.09
4033	6824	73.25	621.85	260.83	409	211.56

2627	18900	73.23	1057.41	207.22	797.52	172.65
2988	25056	73.17	2718.94	2431.7	874.2	469.5
2936	12157	73.14	3128.89	3251.72	489.1	646.35
3268	11152	73.12	173.48	100.42	339.14	140.77
3749	21977	73.12	579.7	113.74	711.76	222.37
2209	24763	73.1	59.1	26.97	95.2	40.12
4118	1478	73.03	313.56	101.5	426.83	118.62
3634	25069	72.82	578.11	455.6	192.73	229.02
629	17752	72.78	333.01	91.76	476.24	141.38
2812	20614	72.76	27.97	11.93	46.15	21.49
3584	6911	72.67	177.76	39.76	235.63	75.02
2911	4407	72.5	92.88	31.92	145.8	57.69
3965	23321	72.48	298.34	62.2	235.95	64.35
3836	17154	72.35	255.54	91.83	186.36	78.12
3093	18747	72.28	424.39	283.26	146.69	103.58
3029	1973	72.22	308.28	69.83	394.17	107.1
4209	25087	72.2	40.05	26.66	100.94	76.02
3573	25453	72.19	251.78	62.76	326.09	79.65
3273	1551	72.15	753.2	363.62	1035.27	366.89
2830	5998	72.11	143.33	48.28	203.78	71.4
3101	18725	71.88	128.49	57.46	217.6	84.51
3098	6055	71.73	857.56	258.28	1096.97	228.01
2860	25281	71.66	197.38	56.7	152.9	48.14
605	16366	71.6	1297.79	498.27	780.6	281.32
3573	7872	71.57	221.32	64.73	296.29	81.79
3322	20913	71.47	1079.76	1404	244.93	188.26
2995	2505	71.46	599.25	149.26	758.23	191.97
3417	12087	71.43	765.1	250.74	1036.17	312.63
3450	20299	71.43	529.36	194.11	732.03	249.09
3428	19679	71.35	246.33	115.64	395.24	139.47
77	18400	71.29	30.61	11.77	50.59	24.67
3823	7927	71.13	172.46	77.9	289.86	115.85
2930	20429	71.06	409.47	195.57	631.67	259.92
4258	16725	71.06	117.86	29.74	163.47	46
2922	21012	70.93	2131.54	841.59	1497.4	545.85
3133	20354	70.87	21.56	10.92	53.41	60.18
633	4242	70.85	341.78	186.52	524.19	210.15
472	9136	70.84	440.83	115.89	334.95	86.57
419	15980	70.8	47.86	18.25	64.06	23.28
3265	6653	70.66	471.14	123.46	605.45	143.35
3041	19730	70.65	186.08	99.69	318.05	151.39
3012	1312	70.61	742.32	138.77	634.05	136.17
387	4809	70.58	42.2	10.04	61.08	25.56
3030	64	70.56	101.58	23.87	135.61	44.32
3740	15028	70.47	1368.28	486.36	1761.2	513.47
3105	16217	70.35	362.58	100.1	453.79	152.13
99	14545	70.27	24.21	8.86	35.48	16.42
3022	16604	70.25	59.25	26.01	86.18	33.88
3825	15996	70.25	29.48	23.7	111.23	139.07
3193	1640	70.24	32.97	13.51	52.85	24.55
3880	15391	70.21	1143.73	271.75	981.39	176.45
2981	25055	70.19	1636.52	2110.72	195.07	298.82
2578	19287	70.16	45.92	15.88	63.95	21.46

3274	10886	70.11	758.51	202.33	984.08	414.2
3708	15601	70.07	438.24	151.02	307.47	75.18
3221	1794	70.05	4051.87	2705.1	2109.88	1144.21
587	4527	70.04	23.15	7.24	33.88	14.38

**TABLE 5MMM: INFLAMMATION** Attorney Docket 44921-5038-01-WO  
Timepoint(s): Various Document No. 1935828.1

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3643	4011	99.87	166.43	57.73	1821.45	677.32
2922	21012	99.79	476.81	16.35	1520.39	567.6
1206	16304	99.79	296.61	51.2	1499.52	504.23
3634	634	99.79	224.82	44.49	1536.28	417.92
3710	16726	99.76	297.93	10.7	792.74	196.34
3634	25525	99.76	172.66	36.36	1350.98	364.18
646	14495	99.74	78.02	13.42	323.78	111.6
3820	24728	99.71	28.74	8.28	261.59	84.08
383	15	99.71	92.36	1.44	44.8	21.18
1514	2997	99.68	88.08	5.9	375.4	119.98
3197	11904	99.68	268.62	16.95	60.15	42.8
3757	9214	99.66	880.52	97.9	273.93	150.19
251	18244	99.66	1182.44	47.71	542.72	137.87
3634	635	99.63	188.18	84.64	1577.16	483.16
4211	20872	99.63	1345.63	38.66	763.45	262.47
1955	22598	99.63	3246.17	212.74	992.6	344.02
3412	574	99.6	251.77	18.84	94.44	165.34
3164	23651	99.6	65.74	17.19	20.61	97.18
959	22042	99.6	6153.73	992.13	233.68	1107.91
4023	9845	99.6	3806.95	827.59	124.33	892.61
436	16416	99.58	288.07	16.78	108.4	60.71
2684	15004	99.58	1695.49	240.53	236.04	142.5
2759	5059	99.55	324.13	47.19	79.53	249.59
327	18580	99.55	1019.69	40.31	224.66	139.63
1803	5969	99.52	362.85	61.79	1180.73	390.03
2989	24860	99.5	32.25	5.22	391.3	272.54
3643	4012	99.44	284.76	99.62	2441.81	1157.15
2884	1641	99.44	275.36	14.85	110.29	51.67
498	9905	99.44	166.04	20.66	648.12	150.08
10	1600	99.42	80.25	4.34	37.92	93.41
2385	3134	99.39	375.27	108.07	38.07	41.15
3472	20915	99.39	98.85	6.27	536.36	365.97
3976	13563	99.36	455.07	25.07	1185.43	356.64
4120	154	99.36	501.9	58.32	165.9	60.49
3097	20589	99.36	125.48	13.65	25.15	26.99
1803	5967	99.34	203.14	33.53	867.88	367.62
276	21285	99.34	1157.81	137.93	100.17	161.93
422	309	99.31	1271.05	75.47	694.09	136.68
3757	9215	99.31	1095.45	215.49	315.14	205.97
2962	25052	99.31	1613.62	302.24	30.62	119.49
3567	1221	99.28	197.14	26.41	32.78	122.89
605	16367	99.28	137.22	105.71	1420.14	541.97

1911	4914	99.28	47.79	18.73	481.47	150.36
3834	15002	99.26	812.99	200.75	139.85	68.61
2353	16081	99.23	580.07	45.01	127.63	197.04
605	16366	99.23	126.39	27.16	798.97	303.77
3584	6911	99.23	57.47	6.74	234.1	74.48
961	1809	99.23	6297.41	1822.96	122.34	681.56
244	6614	99.23	118.9	26.54	907.33	269.4
3004	18618	99.21	1838.27	88.48	1149.65	214.57
2949	3548	99.21	174.92	5.09	79.79	30.13
3989	14964	99.18	161.42	102.69	1006.2	317.11
3057	22512	99.18	354.47	227.36	30.39	59.45
4170	1602	99.18	170.64	16.69	467.13	108.67
4228	10109	99.18	1938.46	117.34	1045.64	220.17
1620	8584	99.15	144.43	32.68	1400.37	635.95
2797	10071	99.13	90.84	33.37	30.7	24.06
1912	22522	99.13	112.21	12.19	248.85	63.35
3067	15741	99.13	317.97	109.01	1252.69	388.68
3156	17541	99.13	316.82	124.41	1633.35	638.47
881	21522	99.13	765.82	52.59	164.35	209.31
2133	11416	99.13	283.22	20.98	115.75	35.97
3711	25802	99.13	516.44	15.56	257.7	80.46
3162	15872	99.13	73.07	25.46	499.66	169.35
687	4636	99.13	457.49	50.41	74.1	125.75
2030	21660	99.13	5230.59	324.32	1744.04	720.76
3309	20529	99.13	1181.01	95.34	129.82	185.65
830	6615	99.1	89.58	20.45	438.68	128.87
3639	20448	99.07	159	29.63	42.64	73.93
3455	6263	99.07	77.77	18.31	292.55	100.65
4290	1561	99.07	1985.06	196.05	870.62	217.06
2705	14767	99.07	69.48	6.08	310.71	115.85
3594	11849	99.07	1291.53	27.15	746.01	163.9
2251	14384	99.07	542.05	32.59	247.13	63.39
2743	2855	99.07	794.02	58.03	420.6	87.21
3447	20249	99.05	78.03	10.56	24.83	20.92
3618	15185	99.05	263.18	54.68	60.65	100.78
4077	24469	99.05	1244.67	166.79	620.92	197.95
519	17333	99.05	148.37	21.45	51.16	34.11
1470	12779	99.05	451.8	238.57	67.96	54.36
1883	8273	99.05	219.01	79.36	43.6	33.76
4197	20810	99.05	2037.68	83.17	1154.93	263.95
3091	18385	99.05	178.44	102.58	21.57	29.85
3057	22515	99.05	4183.61	1044.52	121.12	348.28
3236	20864	99.02	55.18	25.79	472.15	380.76
4049	5920	99.02	67.33	29.28	461.44	217.92
3426	17324	99.02	81.82	19.34	378.9	117.26
3112	24589	99.02	395.8	197.61	55.53	53.19
648	19411	99.02	111.17	7.01	33.82	21.69
2878	25313	99.02	312.92	23.51	99.39	60.94
1854	6823	99.02	814.26	140	251.11	106.22
2104	8215	99.02	873.46	52.7	386.99	135.82
827	23005	98.99	270.87	18	124.39	86.19
2506	20055	98.99	304.31	43.15	67.96	73.87
2000	10984	98.99	79.7	65.47	1058.22	304.87



3497	20944	98.99	1456.36	145.65	619.91	160.17
2654	6532	98.99	317.77	23.11	140.71	43.19
3745	5175	98.97	344.51	77.31	40.15	62.99
1926	4969	98.97	2466.07	420.51	259.82	239.47
3055	1678	98.94	22.06	13.4	124.71	41.32
2878	2744	98.94	510.03	36.96	207.36	83.36
3377	15503	98.91	181.26	37.44	64.23	59.72
340	18001	98.91	196.94	39.51	718.21	179.34
3262	682	98.91	664.18	326.43	109.18	95.85
2925	17284	98.89	66.24	7.09	184.56	54.71
3602	20462	98.89	1386.9	54.08	832.62	161.68
3057	22513	98.89	6801.87	2063.44	24.21	724.48
97	24228	98.89	1963.56	170.96	977.17	260.22
3333	23825	98.89	98.15	18.36	38.05	25.86
3064	7427	98.86	242.61	40.71	32.31	29.32
4226	18611	98.86	2091.17	198.59	1139.38	540.19
3085	16080	98.83	333.96	51.66	71.05	142.79
3133	20354	98.83	352.09	24.78	51.73	57.92
4120	155	98.83	242.82	80.27	41.45	24.98
4226	5667	98.83	1364.04	112.29	816.08	305.28
3318	18750	98.81	372.57	8.69	246.42	71.72
3700	22321	98.73	445.71	89.53	76.62	108.24
381	4178	98.73	79.54	11.94	39.39	54.77
3706	10949	98.73	390.51	153.27	1874.53	687.28
4210	18250	98.73	1694.19	100.64	952.01	198.91
3490	12606	98.7	161.97	57.03	741.43	238.52
4207	1893	98.7	164.59	74.91	31.84	31.29
3653	5496	98.68	113.96	19.27	493.5	154.89
435	20701	98.68	2698.56	266.1	879.33	385.5
2320	1572	98.65	172.32	13.47	73.12	32.33
534	19469	98.62	124.43	69.52	477.5	113.18
4197	25675	98.62	1145.98	19.45	741.67	207.51
4210	25687	98.62	2034.6	159.67	1275.29	658.59
3292	21643	98.6	1666.53	167.12	891.15	220.23
3260	24771	98.57	119.53	97.47	1109.43	314.81
507	20523	98.57	316.37	52.14	48.66	67.77
4206	15626	98.57	2208.57	185.27	1329.28	250.81
3250	18989	98.54	247.79	152.33	1480.44	689.51
3411	20716	98.54	776.01	61.15	1643.73	473.59
4198	15652	98.54	2214.91	91.58	1501.41	366.17
4030	20698	98.54	3387.66	619.21	894.32	433.33
3203	2667	98.52	317.82	43.77	809.25	200.01
3273	1550	98.49	50.78	24.28	431.87	211.34

**TABLE 5NNN: MIXED PHENOTYPE**  
**Timepoint(s): Various**

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
877	15606	92.7	412.43	50.49	612.23	139.47
573	17468	90.25	410.3	42.97	563.07	116.14
1563	18205	89.82	480.72	76.4	339.59	71.76

2710	14776	89.71	61.13	17.01	148.43	49.08
2656	22234	89.1	79.85	26.18	178.54	75.64
3252	17815	89.03	26.23	5.3	48.32	16.77
3887	15839	88.95	220.7	34.76	335.35	86.86
1412	7471	88.84	407.22	36.15	279.68	82.3
1489	7451	88.49	1846.84	394.18	1135.17	304.16
893	23029	88.49	260.89	97.85	772.33	458.06
3153	373	88.33	247.66	84.94	475.56	164.96
1004	22576	88.25	357.22	45.51	533.08	147.97
2420	8917	88.06	135.29	33.22	42.07	42.14
3903	18004	87.96	92.08	21.4	46.91	31.01
342	10517	87.93	28.24	5.52	45.62	11.51
3567	1221	87.9	452.34	259.89	29.78	115.45
1325	22840	87.9	1482.55	321.1	872.09	257.88
694	17906	87.88	313.01	33.46	430.96	164.33
3133	20354	87.82	265.34	136.23	50.66	55.35
1146	3452	87.5	123.4	67.38	31.39	31.8
538	12010	87.5	59.13	8.23	106.34	37.45
1557	5523	87.37	942.67	163.26	458.22	305.69
4030	20698	87.31	2157	938.68	889.54	428.25
2513	23182	87.21	60.66	18.87	162.46	76.03
2779	15170	87.05	88	42.55	197.03	56.09
3075	23868	87.05	572.56	249.48	233.19	689.52
3918	18764	87	4231.54	412.67	2944.99	1125.39
171	8237	86.94	161.57	36.09	90.17	35.5
4114	1559	86.89	26.1	11.99	70.02	31.11
2217	2161	86.83	1230.61	509.54	362.96	266.46
912	1798	86.73	4289.24	454.68	2784.74	1334.1
1410	24200	86.64	1254.47	432.46	433.81	240.17
394	21707	86.64	180.08	79.1	40.18	51.11
1826	10659	86.59	525.17	203.07	155.42	136.23
3103	9423	86.54	1605.09	545.19	809.21	289.07
2841	3292	86.48	5908.23	1756.38	2538.72	1353.64
2746	16859	86.4	591.89	237.41	232.23	107.45
757	23030	86.39	156.55	74.24	485.91	306.9
3080	6478	86.36	6014.17	823.68	3213.69	1791.32
901	402	86.3	2430.03	637.91	1197.13	402.29
2968	19	86.3	1208.98	336.93	587.58	205.7
1980	24170	86.23	54.64	24.46	117.56	50.69
3172	7898	86.07	4930.46	609.03	3689.77	2023.31
1174	3773	86.06	222.07	81.38	66.8	59.52
194	19729	85.9	146.22	70.47	557.2	329.56
3166	16871	85.88	37.6	4.8	57.25	23.71
263	19412	85.87	687.29	165.02	385.37	115.43
2664	17664	85.87	649.75	234.13	278.21	158.72
1804	11563	85.82	92.87	37.72	31.98	36.83
2920	25050	85.8	3444.41	442.9	2365.59	1304.34
3801	18795	85.79	1173.52	441.62	536.84	194.57
2218	3431	85.69	1544.2	194.5	1040.69	310.99
3749	21977	85.61	321.88	154.91	710.51	218.66
2169	13353	85.58	142.6	54.04	286.13	59.76
475	16446	85.53	33.14	8.85	62.62	20.55
2968	20	85.52	677.77	212.99	344.57	133.55

268	11727	85.51	305.09	113.65	183.52	242.75
464	5384	85.5	122.1	52.78	26.76	61.13
3131	11839	85.48	22.4	18.92	72.34	43.16
3535	354	85.27	108.79	27.74	82.01	153.06
1585	20524	85.2	183.57	186.08	22.39	43.23
3172	7897	85.16	5026.51	553.34	3443.12	2129.75
2333	8477	85.07	549.17	155.84	300.32	116.31
2937	1264	85.06	7661.79	1097.37	4248.44	3333.92
2681	22380	85.06	169.47	29.99	268.51	108.89
2126	19012	85.05	770.22	223.05	438.26	162.83
2004	12979	85.02	849.06	213.38	507.28	264.22
887	12301	84.97	221.22	64.45	137.36	66.49
1497	1114	84.95	784.76	111.17	565.4	206.84
3439	20161	84.89	93.65	43.4	28.67	55.35
2082	18660	84.87	71.79	21.38	129.94	52.56
3970	25237	84.84	27.81	8.21	46.96	14.07
3075	23869	84.81	183.61	109.1	64.33	132.43
2012	13910	84.75	595.17	256.02	334.68	144.63
3177	6109	84.73	5062.67	612.62	3577.61	2270.94
619	21305	84.71	102.49	19.3	160.21	64.73
2569	11720	84.7	1391.1	372.23	739.89	262.69
2206	15191	84.7	4454.06	1670.95	1196.05	1298.31
2920	16130	84.68	5489.79	1043.64	3516.83	2337.77
294	16132	84.65	5576.25	699.92	3387.56	2223.54
3349	20778	84.54	42.88	20.91	74.29	18.46
2626	3073	84.5	27.17	17.75	101.86	90.69
918	22266	84.47	1300.02	172.66	1708.32	355.56
2277	14425	84.46	1582.38	902.47	447.23	425.39
1169	3725	84.36	112.91	46.17	44.27	53.59
3208	14997	84.35	904.57	456.19	284.18	270.05
2865	1350	84.33	64.19	8.94	101.77	31.73
3328	15538	84.28	422.49	51.3	318.33	100.25
515	17779	84.28	257.98	58.6	403.58	139.36
3465	12083	84.26	116.98	43.39	244.98	116.05
2508	4731	84.24	242.3	152.93	53.19	75.67
3263	14534	84.23	6841.04	941.06	4581.71	3863.48
4136	396	84.22	366.11	76.57	217	87.76
2027	6479	84.17	1948.92	533.14	1036.43	385.69
2111	21209	84.11	390.41	233.24	81.61	78.56
665	3216	84.1	59.47	12.28	85.97	24.13
902	19421	84.07	4234.7	478.19	2937.97	1757.49
709	4746	84.06	72.05	19.08	34.44	29.01
1261	11728	84.04	414.23	112.95	194.29	227.78
3080	25317	84.01	2439.58	494.72	1376.62	460.73
4088	111	83.99	4804.2	499.29	3144.58	2037.61
3982	15189	83.82	5084.12	1961.4	1634.96	1633.37
2921	25051	83.8	4432.49	459.55	2679.89	1549.16
3170	16275	83.77	4799.21	631.58	3424.79	2264.62
3968	21098	83.76	2466.39	679.48	1140.37	528.02
3866	16809	83.74	96.71	50.6	29.31	24.93
3967	2368	83.71	735.22	293.69	1084.68	198.83
3465	12082	83.64	121.2	67.54	333.43	159.05
3734	17829	83.64	3573.37	470.6	2364.78	1197.64

3855	14591	83.61	37.32	12.53	70.26	24.38
3019	20700	83.53	4924.3	672.7	2928.32	1593.46
52	21679	83.4	33.75	12.43	61.77	24.12
1257	1805	83.4	2412.57	518.34	1446.94	630.27
3982	15190	83.26	5503.52	1949.25	1811.64	1683.48
490	17039	83.24	72.05	12.32	109.04	32.05
1790	19373	83.24	1718.02	400.78	1025.64	514.06
3930	23349	83.1	84.4	16.95	132.91	33.71
2983	21097	83.07	1695.3	601.55	918.24	384.35
4060	25481	83.05	4569.06	559.89	3051.77	1745.38
501	11966	83.03	196.55	30.4	295.67	95.81
3612	23569	83.02	178.01	61.2	261.45	59.45
589	4590	83	25.6	14.08	51.57	26.92
2958	25370	82.95	54.43	32.48	157.2	91.71
1357	4213	82.95	7673.5	1203.32	4441.5	3875.31
3080	6477	82.92	3589.01	566.41	2253.93	859.56
3075	23872	82.86	175.04	116.05	73.93	155.07
3275	6013	82.73	2842.65	343.79	1897	624.63
648	19411	82.72	78.5	28.65	33.63	21.53
3798	20896	82.71	25.99	6.26	51.88	36.56
4241	15387	82.65	680.01	113.62	519.63	120.56
48	22910	82.63	201.8	41.58	284.3	62.67
3832	15103	82.58	137.13	17.88	179.53	33.01
393	14139	82.55	33.97	7.23	52.9	18.29
3572	15187	82.44	64.75	13.07	108.77	43.44
3810	18644	82.44	3043.69	500.75	2170.22	809.8
4036	16963	82.39	6828.55	1207.62	4270.05	3536.32
48	22909	82.36	40.05	10.54	62.52	20.77
3103	9424	82.32	1934.87	554.59	1006.7	372.95
3263	14533	82.31	7970.91	1413.59	5046.93	4888.24
3792	21940	82.23	249.98	44.32	394.32	112.17
3024	1246	82.2	42.58	17.23	78.42	30.36
2798	25883	82.18	2820.03	289.81	2245.09	1055.18
3109	24825	82.12	1465.13	481.46	893.2	387.12
2984	4254	82.07	5999.1	691.12	3997.89	2553.49
3005	1540	82.04	100.84	27.83	161.94	58.63
3962	15017	82.02	5813.73	801.68	3964.02	2711.45
4099	1639	82.01	116.75	34.19	197.38	45.66
3967	2367	81.98	283.22	144.41	398.47	98.14
4114	1558	81.94	43.61	21.04	92.17	40.02
3877	17709	81.93	119.41	59.33	37.46	41.78

TABLE 5000: NECROSIS				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3024	1246	80.45	39.39	19.36	80	29.62
2225	11536	80.41	291.33	76.27	511.85	193.27
3444	24321	79.54	447.79	210.79	817.55	252.02
3029	1973	78.1	263.98	77.84	397.5	104.55
2607	6033	77.89	654.45	220.35	1006.22	265.5

3171	18564	77.81	274.17	84.41	386.79	94.93
186	4330	77.28	989.08	402.28	1543.74	446.87
1709	22930	77.23	175.96	200.95	556.38	347.59
2871	811	76.99	506.29	141.21	684.41	144.58
259	21173	76.96	110.85	51.97	199.21	74.6
2218	3431	76.92	1356.96	256.43	1029.63	308.06
2418	12946	76.85	259.09	92.83	353.08	98.59
3749	21977	76.77	449.95	212.02	719.84	213.68
3349	20778	76.44	51.26	16.69	75.14	18.07
2779	15170	76.44	125.27	64.79	199.59	54.12
2705	14767	76.43	188.25	78.17	316.07	114.56
1006	24366	76.25	112.86	47.6	189.63	58.13
1709	22929	76.21	433.57	606.13	1278.77	774.89
3455	6263	75.91	206.22	64.26	296.23	100.65
1295	4951	75.86	402.24	192.51	195.68	151.17
115	19103	75.83	497.14	189.78	756.27	230.2
602	9053	75.71	35.84	29.21	76.34	32.18
370	21025	75.54	37.93	38.95	91.05	50.97
1501	7582	75.31	307.79	140.61	523.74	200.31
820	22870	75.25	628.86	193.01	903.08	269.18
1889	11492	75.24	348.48	120.69	528.02	156.61
4162	851	75.23	333.37	84.37	441.52	104.61
720	16465	75.1	302.33	69.82	412.35	104.75
2802	19952	75.04	76.98	33.9	129.77	51.32
1986	13167	75.04	83.28	25.63	115.5	30.99
615	3131	75.01	255.27	119.84	444.64	151.26
1476	7344	74.88	117.22	54.42	190.68	59.36
2202	8387	74.88	208.1	69.85	293.14	68.69
2910	10184	74.79	63.35	48.59	124.29	57.96
3928	7865	74.79	1138	246.56	857.72	202.94
2879	1218	74.7	190.49	48.45	246.85	51.16
3528	15755	74.68	581.08	130.93	748.07	179.7
1989	11576	74.57	52.59	26.32	82.34	29.07
341	24161	74.5	335.75	75.75	466.01	123.48
813	17496	74.48	81.75	101.41	264.39	179.96
4169	1314	74.45	240.55	55.21	187.28	44.13
389	11635	74.4	203.44	79.24	295.8	86.86
2100	9128	74.36	162.07	74.39	107.76	76
1773	7868	74.35	166.73	66.25	278.63	103.55
2436	13757	74.33	138.92	44.46	197.52	51.43
3227	16982	74.32	980.52	742.04	305.56	437.3
2630	8549	74.31	395.79	191.78	674.79	221.08
689	22308	74.2	1154.95	310.26	823.85	286.13
1292	410	74.12	112.09	74.23	190.18	89.99
2970	32	74.08	208.2	61.24	301.46	81.89
2427	13749	74.07	26.12	19.62	47.66	23.7
2872	1125	74.01	20.38	10.72	34.07	13.75
2894	14933	73.98	28.51	16.98	51.9	21.1
510	16023	73.95	204.97	55.6	309.8	99.75
2396	13670	73.94	72.32	26.53	110.24	33.08
128	5934	73.9	202.93	127.88	376.18	163.8
3276	2150	73.82	631.27	135.79	789.66	161.38
1101	2569	73.8	596.98	364.62	922.74	277.96

279	22027	73.72	7999.05	3868.53	8656.82	7794.21
1723	9191	73.71	412.08	197.45	704.92	283.49
3749	25480	73.68	397.65	180.78	615.76	188.42
863	22368	73.6	884.73	281.5	1207.52	308.66
716	3822	73.58	1983.36	611.51	1326.85	434.91
3321	20601	73.54	514.03	311.33	990.58	453.58
1916	9754	73.5	93.8	80.91	215.05	132.49
109	23368	73.49	41.74	20.99	77.78	35.07
3591	11899	73.48	38.09	11.74	54.58	16.56
149	2897	73.46	64.58	28.75	43.73	24.77
367	6443	73.45	96.61	42.88	150.93	51.25
3613	14970	73.45	129.9	46.69	186.65	39.82
2105	6582	73.44	179.28	65.91	122.97	84.48
1911	4914	73.44	313.12	147.35	488.63	147.01
3573	7872	73.42	210.94	59.34	297.83	81.21
1430	1409	73.3	297.42	98.63	416.39	111.92
1787	14208	73.24	88.52	42.97	143.24	49.98
2219	2536	73.23	280.92	185.23	612.93	346.5
1913	4143	73.19	358.43	106.11	487.08	139.61
1508	7003	73.19	253.93	118.2	403.22	125.34
358	14191	73.16	44.12	27.48	69.37	25.86
1653	8520	73.11	287	90.04	384.3	94.24
1505	7617	73.06	159.38	82.91	274.04	129.57
1143	12616	73.05	34.08	21.18	57.16	28.05
3229	25567	73.05	236.85	131.72	140.76	140.59
1349	7069	72.96	228.53	60.85	307.62	74.43
926	21382	72.94	125.8	40.55	183.68	63.43
920	22612	72.88	262.18	98.53	353.43	93.14
572	15154	72.79	486.25	168.22	629.69	171.62
267	17339	72.7	469.13	284.04	873.43	471.58
1294	13936	72.69	77.55	30.21	111.12	33.34
1761	23124	72.68	147.31	38.13	188.04	38.79
1130	3145	72.63	447.89	142.45	656.97	206.59
2780	18854	72.58	98.61	35.17	145.94	45.17
1457	2799	72.56	270.96	160.36	502.74	222.86
1691	9012	72.56	446.74	225.37	713.11	272.1
2483	18425	72.54	716.49	144.44	895.42	176.96
3103	9423	72.52	1225.33	494.56	795.76	272.54
2304	22197	72.52	274.53	126.51	151.03	80.01
3319	15299	72.49	136.72	99.75	75.53	129.14
2958	25370	72.47	80.14	69.8	160.06	91.19
3645	28	72.45	515.39	249.36	818.4	261.35
48	22910	72.44	224.23	47.39	286.51	62.19
434	16327	72.24	393.85	134.63	550.82	156.05
475	16446	72.17	40.85	16.97	63.43	20.24
3202	17401	72.07	247.03	105.9	442.09	217.8
3651	1920	71.97	847.57	499.56	422.78	238.6
567	9254	71.86	134.75	39.82	186.06	47.53
3633	24645	71.81	292.07	86.77	402.64	172.03
3378	16450	71.73	155.04	82.99	253.23	90.21
3229	3430	71.73	328.78	135.64	232.03	136.33
62	4133	71.71	258.76	93.66	380.44	110.36
3863	15642	71.67	614.4	297.65	365.09	141.2

521	22862	71.58	292.41	156.22	462.12	162.35
555	22867	71.58	185.61	60.99	253.97	66.01
3457	10509	71.56	86.96	50.74	140.94	53.12
3241	15613	71.55	657.99	361.32	1205.53	818.49
391	19067	71.55	83.37	36.82	131.66	51.87
581	19085	71.49	138.9	61.3	84.31	44.17
3042	1529	71.44	441.12	133.23	576.25	124.78
1380	7066	71.4	265.46	71.19	337.12	76.8
3723	18640	71.39	125.78	32.05	160.61	37.92
611	8438	71.39	58.17	43.6	95.9	44.8
3691	15864	71.33	114.24	40.15	163.06	50.79
3424	18727	71.27	1220.54	500.22	741.86	362.51
2877	134	71.24	55.39	56.81	121.11	50.09
4027	24657	71.19	41.61	24.82	71.32	34.89
3742	16364	71.19	91.83	71.17	183.38	87.03
3582	15700	71.14	334.61	115.23	454.01	121.99
3044	4198	71.13	990.89	309.11	1095.49	227.27
636	12312	71.1	693.37	278.99	985.63	260.15
3233	21396	71.05	339.39	107.99	474.01	135.61
3224	22582	70.98	302.19	155.45	444.11	139.14
618	13332	70.92	151.77	67.73	232.77	82.91
52	21679	70.88	40.37	19.98	62.57	23.89
573	17468	70.83	462.08	94.5	566.67	115.34
3090	4450	70.81	147.58	43.04	199.33	60.99
3030	64	70.79	89.69	36.94	136.66	43.39
63	16730	70.78	52.05	33.75	23.72	23.98
2883	1921	70.68	482.04	295.87	202.77	148.18
501	11966	70.67	209.37	63.32	299	95.26
3572	15188	70.66	160.33	36.04	190	35.08
3096	23524	70.66	102.6	55.19	69.88	66.6
3626	4234	70.62	953.43	414.06	600.02	282.32
106	4843	70.56	382.91	91.27	493.63	116.68
4078	25550	70.53	66.97	30.39	38.22	23.22
2971	1791	70.5	59.89	15.32	88	34.32
2558	573	70.49	596.83	329.62	907.15	340.47
2871	812	70.47	328.96	109.26	451.05	113.45
3241	15612	70.44	203.85	143.03	456.18	329.95
637	21980	70.39	435.55	235.06	509.54	157.8
3386	20735	70.37	348.83	188.33	182.25	124.18
3269	18453	70.27	395.8	247.38	654.27	261.72
3378	16449	70.22	164.08	172.17	338.34	187.58
3922	18810	70.2	674.27	122.51	780.88	129.73
501	18128	70.14	85.99	30.56	121.64	31.04
1239	3031	70.09	31.34	20.4	66.53	38.85
4225	25701	70.05	105.45	30.26	142.53	47.12

**TABLE 5PPP: Necrosis and Steatosis**  
**Timepoint(s): Various**

**Attorney Docket 44921-5038-01-WO**  
**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
142	2485	87.09	301.35	148.09	766.8	293.22

2408	4275	85.35	1277.97	238.54	1805.19	414.55
204	6018	84.52	1559.26	820.19	5911.24	3944.14
2479	17672	84.37	1329.91	331.11	2124.16	514.77
2604	5355	84.32	1731.56	424.96	3257.85	1024.99
1692	9016	84.29	1301.32	546.75	2654.18	985.01
162	3757	84.22	194.8	87.81	77.1	37.2
1930	11165	83.62	507.81	110	793.01	199.96
3215	8900	83.33	1427.98	406.2	2778.77	987.39
3323	15141	82.78	218.69	43.11	144.76	47.16
1214	23417	82.61	375.58	128.63	227.51	68.84
160	6016	82.51	1128.99	397.7	2115.32	763.04
1996	17812	82.49	1132.09	413.31	2139.03	697.37
362	18765	82.19	1800.73	478.16	2872.67	859.44
3411	20716	82.19	1105.92	163.26	1651.12	473.09
2036	5954	82.17	2102.15	884.46	3662.39	1142.25
2412	18491	81.98	683.9	165.05	1083.7	287.53
2125	3971	81.94	88.08	30.74	47.07	20.7
231	20668	81.84	72.21	20.61	121.71	37.41
2045	3579	81.79	1234.47	273.95	1929.28	600.63
3328	15535	81.57	708.77	118.92	517.37	135.36
2719	11431	81.55	145.85	77	66.59	24.08
2285	6189	81.44	1542.93	643.32	3966.14	2203.02
2528	4272	81.41	83.67	49.48	33.25	75.56
3324	5749	81.33	298.26	56.95	195.75	84.89
4109	25589	81.32	210.32	53.06	131.13	42.16
3364	1173	81.31	742.55	454.97	1586.26	697.03
2713	14312	81.17	326.74	90.55	497.21	136.33
2275	21603	81.15	1212.98	370.02	2069.88	610.36
3408	24626	80.93	1309.57	166.39	1767.36	393.81
2011	7497	80.87	1241.89	255.45	1723	333.36
989	23657	80.83	259.82	139.58	127.66	53.5
577	13574	80.76	250.93	141.15	307.11	93.16
3327	3254	80.65	414.78	110.19	254.22	87.9
4110	22196	80.61	125.92	70.59	46.72	29.21
3287	10504	80.58	636.99	167.51	958.22	259.78
2147	11623	80.58	1887.33	621.9	3594.35	1409.39
2717	16943	80.57	1285.79	298.18	2022.55	500.28
1801	15218	80.52	1216.73	233.49	1731.53	337.77
3444	24321	80.41	429.18	228.9	806.94	257.88
1584	5723	80.37	590.64	275.9	1184.07	493.28
3613	14970	80.24	158.7	76.41	184.47	40.93
1525	23950	80.21	74.65	25.89	40.57	14.9
3142	16947	80.2	742.4	210.62	1160.02	319.96
97	24228	80.07	716.79	111.15	983.77	263.55
2560	2587	79.98	1074.05	277.8	1658.76	455.64
3142	16948	79.93	654.81	225.52	1126.56	360.05
2944	1336	79.83	81.06	17.51	52.73	22.9
2151	13097	79.8	99.38	75.51	349.17	246.74
3953	16993	79.79	649.83	273.86	1064.8	292.1
2453	15490	79.78	248.87	75.87	150.13	49.97
2138	4193	79.76	519.7	200.36	767.04	153.68
2035	3916	79.65	890.06	409.75	1549.67	402.33
1936	24212	79.63	1172.57	239.9	1641.83	372.13



886	22457	79.59	408.8	180.42	193.94	129.12
1072	2350	79.56	955.99	321.9	651.47	173.2
2247	2596	79.48	669.98	194.8	1070.07	342.06
28	17688	79.43	102.39	40.44	55.25	28.9
1303	16904	79.4	464.89	146.83	306.62	98.06
1126	20694	79.29	263.93	125.81	438.67	149.04
93	22918	79.25	63.18	30.45	35.56	35.31
562	820	79.23	1295.43	287.9	2112.37	661.96
1974	7887	79.21	256.91	93.72	142.91	78.26
2434	12252	79.2	656.99	184.72	982.53	219.13
4107	229	79.12	489.47	134.3	683.72	158.09
4219	670	79.12	873.34	222.06	1213.49	265.11
7	16950	79.11	102.81	43.92	50.15	27.5
3330	12524	79.11	545.12	129.85	390.24	110.34
2993	21053	79.1	1034.56	268.7	1906.14	724.73
200	6132	79.09	325.46	123.7	530.85	143.81
1998	1335	79.09	904.96	223.85	1229.56	238.42
2450	2748	79.03	191.97	64.73	112.27	43.71
362	18766	79.02	1035.29	315.08	1729.26	581.54
1188	3062	79.01	2084.87	958.88	3322.07	897.9
2972	1695	78.97	20.52	18.64	58.84	36.43
2076	1902	78.92	107.16	60.25	228	107.02
4062	25496	78.92	142.88	47.99	88.37	38.98
356	6403	78.92	96.11	38.05	58.7	28.47
3830	19827	78.86	840.98	364.48	1869.2	780.44
2186	21467	78.81	738.47	284.26	1620.72	767.68
1229	7005	78.76	99.56	32.27	64.45	23.65
2568	2913	78.74	714.79	198.56	1041.32	208.59
1791	15080	78.72	418.84	111.2	622.11	150.36
195	17408	78.67	957.2	283.76	1683.57	511.11
1241	20741	78.65	77.26	55.77	21.23	28.79
1690	10472	78.64	88.97	50.1	199.04	92.19
3679	24811	78.63	952.62	379.79	1513.77	453.52
1554	5465	78.58	629.6	323.17	780.39	203.19
2183	6739	78.57	150.82	26.06	116.96	34.81
2336	6303	78.57	103.81	32.64	67.94	19.71
2372	6455	78.56	1871.61	722.95	3694.47	1289.02
3693	17941	78.56	1946.9	668.45	3561.87	1231.96
239	24629	78.54	426.74	48.61	361.47	92.29
1735	10902	78.52	270.88	184.24	46.15	151.33
372	15149	78.48	214.72	81.42	111.85	45.18
1797	10227	78.46	310.29	40.74	421.94	113
1668	8808	78.46	250.96	173	420.61	109.69
236	230	78.45	1634.61	559.45	3148.45	1027.38
2031	20503	78.45	502.95	260.82	913.09	343.14
2628	7888	78.44	388.08	126.83	263.13	139.51
3519	24838	78.42	1342.12	252.82	1784.89	336.82
3184	5033	78.21	771.57	206.94	510.42	286.02
2899	4360	78.19	138.39	64.37	266.48	128.71
3407	15680	78.05	278.2	135.46	140.33	53.98
3599	1175	78.05	232.34	169.31	637.41	346.62
404	22927	77.89	57.66	29.42	27.31	17.38
4041	10544	77.76	307.89	113.08	177.64	68.59

3635	17427	77.72	782.27	229.68	1126.84	247.06
4262	16272	77.7	1149.5	387.95	1836.34	533.31
3616	15487	77.59	141.84	65.36	64.03	28.71
3483	8984	77.57	286.28	81.7	178.85	57.12
3775	25443	77.54	761.32	228.47	1123.44	336.3
4179	9842	77.53	1038.14	372.49	1612.5	408.91
3655	14295	77.51	83.3	56.87	29.39	21.75
2870	727	77.5	278.29	58.71	202.6	50.9
424	16013	77.38	46.5	19.59	26.44	10.36
2866	1531	77.3	659.79	202.76	1061.36	325.14
3177	6107	77.21	193.5	96.56	91.18	53.79
3274	10886	77.19	594.81	225.38	983.26	410.34
3568	18728	77.14	141.33	41.29	98.37	23.4
4041	10545	77.14	367.98	125.94	215.66	85.82
3450	20299	77.13	467.49	205.02	729.83	248.48
3749	21978	77.11	108	32.02	178.93	66.61
4221	21123	77.08	610.82	236.64	952.27	276.89
3400	4592	77.06	262.39	106.22	151.23	49.75
589	4590	77.01	21.19	31.56	51.88	26.57
2957	1481	76.98	108.89	39.47	57.59	28.87
2993	21052	76.94	156.66	90.07	293.4	108.53
67	20998	76.92	890.05	211.6	1253.01	335.62
3116	16306	76.89	837.63	177.97	1104.49	255.03
25	16942	76.87	954.72	263.15	1442.07	498.11
4162	851	76.81	336.98	110.19	438.26	105.33
2871	812	76.8	295.24	144.73	448.02	113.86
3357	5621	76.78	102.49	49.35	183.31	68.13
3405	15066	76.76	875.94	261.35	1335.71	355.35
3727	18494	76.71	90.37	40.55	47.64	25.64
3238	20728	76.59	353.36	77.32	262.01	83.55
4272	463	76.56	32.22	10.62	20.87	9.02
4221	21122	76.55	982.26	313.72	1534.32	488.06
3329	8957	76.53	614.35	137.63	472.66	100.57
3329	8956	76.51	307.2	64.86	233.02	63.04
2949	3549	76.47	314.73	122.77	199.55	79.79
3666	17448	76.39	107.7	47.37	53.28	35.99
3749	25480	76.35	396.02	159.52	609.34	192.08
3275	6013	76.33	1203.22	351.67	1916.56	625.38
3330	12523	76.31	233.87	57.22	160.14	60.26
3875	25253	76.29	443.36	113.38	316.98	101.7
3679	24810	76.24	234.73	121.28	419.97	149.98
3786	20708	76.11	62.71	29.66	33.58	17.78
3621	15273	76.11	68.12	25.03	43.8	30.62
3060	7064	76.06	663.45	341.04	329.57	193.88
2906	20684	76.06	102.22	37.23	66.45	24.07
28	17687	75.98	69.13	24.41	39.16	15.2
4286	3831	75.95	76.21	49.71	33.73	23.37
3117	24707	75.88	803.26	267.21	1268.52	454.81
3956	1546	75.88	266.24	130.33	301.31	73.82
3326	1447	75.86	299.06	55.12	240.19	59.89
4252	588	75.83	549.32	261.23	944.83	266.61
2999	20464	75.82	1158.23	293.14	1791.43	557.37
529	15087	75.82	116.15	39.85	80.28	31.73

3844	11405	75.79	76.56	25.67	38.92	19.51
3749	21977	75.78	457.76	166.47	711.73	219.29
2970	32	75.77	240.43	118.96	298.15	82.32
3837	17299	75.77	46.84	19.86	26.78	13.14
3302	23961	75.77	762.83	315.82	1092.98	221.2
1216	2016	75.75	186.11	45.37	130	33.98
3939	21576	75.74	131.37	44.22	79.13	32.62

TABLE 5QQQ: Necrosis and Steatosis				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
142	2485	87.09	301.35	148.09	766.8	293.22
2408	4275	85.35	1277.97	238.54	1805.19	414.55
204	6018	84.52	1559.26	820.19	5911.24	3944.14
2479	17672	84.37	1329.91	331.11	2124.16	514.77
2604	5355	84.32	1731.56	424.96	3257.85	1024.99
162	3757	84.22	194.8	87.81	77.1	37.2
1930	11165	83.62	507.81	110	793.01	199.96
3215	8900	83.33	1427.98	406.2	2778.77	987.39
3323	15141	82.78	218.69	43.11	144.76	47.16
1214	23417	82.61	375.58	128.63	227.51	68.84
1996	17812	82.49	1132.09	413.31	2139.03	697.37
3411	20716	82.19	1105.92	163.26	1651.12	473.09
362	18765	82.19	1800.73	478.16	2872.67	859.44
2036	5954	82.17	2102.15	884.46	3662.39	1142.25
2412	18491	81.98	683.9	165.05	1083.7	287.53
2125	3971	81.94	88.08	30.74	47.07	20.7
231	20668	81.84	72.21	20.61	121.71	37.41
2045	3579	81.79	1234.47	273.95	1929.28	600.63
3328	15535	81.57	708.77	118.92	517.37	135.36
2719	11431	81.55	145.85	77	66.59	24.08
2285	6189	81.44	1542.93	643.32	3966.14	2203.02
2528	4272	81.41	83.67	49.48	33.25	75.56
3324	5749	81.33	298.26	56.95	195.75	84.89
4109	25589	81.32	210.32	53.06	131.13	42.16
3364	1173	81.31	742.55	454.97	1586.26	697.03
2713	14312	81.17	326.74	90.55	497.21	136.33
2275	21603	81.15	1212.98	370.02	2069.88	610.36
3408	24626	80.93	1309.57	166.39	1767.36	393.81
2011	7497	80.87	1241.89	255.45	1723	333.36
989	23657	80.83	259.82	139.58	127.66	53.5
577	13574	80.76	250.93	141.15	307.11	93.16
3327	3254	80.65	414.78	110.19	254.22	87.9
4110	22196	80.61	125.92	70.59	46.72	29.21
2147	11623	80.58	1887.33	621.9	3594.35	1409.39
3287	10504	80.58	636.99	167.51	958.22	259.78
2717	16943	80.57	1285.79	298.18	2022.55	500.28
1801	15218	80.52	1216.73	233.49	1731.53	337.77
3444	24321	80.41	429.18	228.9	806.94	257.88
1584	5723	80.37	590.64	275.9	1184.07	493.28

3613	14970	80.24	158.7	76.41	184.47	40.93
1525	23950	80.21	74.65	25.89	40.57	14.9
3142	16947	80.2	742.4	210.62	1160.02	319.96
97	24228	80.07	716.79	111.15	983.77	263.55
2560	2587	79.98	1074.05	277.8	1658.76	455.64
3142	16948	79.93	654.81	225.52	1126.56	360.05
2944	1336	79.83	81.06	17.51	52.73	22.9
2151	13097	79.8	99.38	75.51	349.17	246.74
3953	16993	79.79	649.83	273.86	1064.8	292.1
2453	15490	79.78	248.87	75.87	150.13	49.97
2035	3916	79.65	890.06	409.75	1549.67	402.33
1936	24212	79.63	1172.57	239.9	1641.83	372.13
886	22457	79.59	408.8	180.42	193.94	129.12
1072	2350	79.56	955.99	321.9	651.47	173.2
2247	2596	79.48	669.98	194.8	1070.07	342.06
28	17688	79.43	102.39	40.44	55.25	28.9
1303	16904	79.4	464.89	146.83	306.62	98.06
1126	20694	79.29	263.93	125.81	438.67	149.04
93	22918	79.25	63.18	30.45	35.56	35.31
562	820	79.23	1295.43	287.9	2112.37	661.96
2434	12252	79.2	656.99	184.72	982.53	219.13
4219	670	79.12	873.34	222.06	1213.49	265.11
4107	229	79.12	489.47	134.3	683.72	158.09
3330	12524	79.11	545.12	129.85	390.24	110.34
7	16950	79.11	102.81	43.92	50.15	27.5
2993	21053	79.1	1034.56	268.7	1906.14	724.73
1998	1335	79.09	904.96	223.85	1229.56	238.42
2450	2748	79.03	191.97	64.73	112.27	43.71
362	18766	79.02	1035.29	315.08	1729.26	581.54
1188	3062	79.01	2084.87	958.88	3322.07	897.9
2972	1695	78.97	20.52	18.64	58.84	36.43
356	6403	78.92	96.11	38.05	58.7	28.47
4062	25496	78.92	142.88	47.99	88.37	38.98
2076	1902	78.92	107.16	60.25	228	107.02
3830	19827	78.86	840.98	364.48	1869.2	780.44
2186	21467	78.81	738.47	284.26	1620.72	767.68
1229	7005	78.76	99.56	32.27	64.45	23.65
2568	2913	78.74	714.79	198.56	1041.32	208.59
1791	15080	78.72	418.84	111.2	622.11	150.36
195	17408	78.67	957.2	283.76	1683.57	511.11
1241	20741	78.65	77.26	55.77	21.23	28.79
1690	10472	78.64	88.97	50.1	199.04	92.19
3679	24811	78.63	952.62	379.79	1513.77	453.52
1554	5465	78.58	629.6	323.17	780.39	203.19
2336	6303	78.57	103.81	32.64	67.94	19.71
2183	6739	78.57	150.82	26.06	116.96	34.81
3693	17941	78.56	1946.9	668.45	3561.87	1231.96
2372	6455	78.56	1871.61	722.95	3694.47	1289.02
239	24629	78.54	426.74	48.61	361.47	92.29
1735	10902	78.52	270.88	184.24	46.15	151.33
372	15149	78.48	214.72	81.42	111.85	45.18
1668	8808	78.46	250.96	173	420.61	109.69
1797	10227	78.46	310.29	40.74	421.94	113

236	230	78.45	1634.61	559.45	3148.45	1027.38
1962	12654	78.43	118.21	42.08	209.7	86.59
3519	24838	78.42	1342.12	252.82	1784.89	336.82
996	14509	78.35	2275.37	1157.08	5079.26	2283.96
2413	16913	78.34	835.01	241.01	1233.66	280.72
2195	19363	78.29	790.9	442.35	1915.34	900.41
1852	16884	78.24	1981.67	844.28	3749.69	1517.1
1999	16484	78.22	113.65	28.89	76.53	39.09
3184	5033	78.21	771.57	206.94	510.42	286.02
2899	4360	78.19	138.39	64.37	266.48	128.71
3407	15680	78.05	278.2	135.46	140.33	53.98
3599	1175	78.05	232.34	169.31	637.41	346.62
404	22927	77.89	57.66	29.42	27.31	17.38
4041	10544	77.76	307.89	113.08	177.64	68.59
3635	17427	77.72	782.27	229.68	1126.84	247.06
4262	16272	77.7	1149.5	387.95	1836.34	533.31
3616	15487	77.59	141.84	65.36	64.03	28.71
3483	8984	77.57	286.28	81.7	178.85	57.12
3775	25443	77.54	761.32	228.47	1123.44	336.3
4179	9842	77.53	1038.14	372.49	1612.5	408.91
3655	14295	77.51	83.3	56.87	29.39	21.75
2870	727	77.5	278.29	58.71	202.6	50.9
424	16013	77.38	46.5	19.59	26.44	10.36
2866	1531	77.3	659.79	202.76	1061.36	325.14
3177	6107	77.21	193.5	96.56	91.18	53.79
3274	10886	77.19	594.81	225.38	983.26	410.34
3568	18728	77.14	141.33	41.29	98.37	23.4
4041	10545	77.14	367.98	125.94	215.66	85.82
3450	20299	77.13	467.49	205.02	729.83	248.48
3749	21978	77.11	108	32.02	178.93	66.61
4221	21123	77.08	610.82	236.64	952.27	276.89
589	4590	77.01	21.19	31.56	51.88	26.57
2957	1481	76.98	108.89	39.47	57.59	28.87
2993	21052	76.94	156.66	90.07	293.4	108.53
67	20998	76.92	890.05	211.6	1253.01	335.62
3116	16306	76.89	837.63	177.97	1104.49	255.03
25	16942	76.87	954.72	263.15	1442.07	498.11
4162	851	76.81	336.98	110.19	438.26	105.33
2871	812	76.8	295.24	144.73	448.02	113.86
3357	5621	76.78	102.49	49.35	183.31	68.13
3405	15066	76.76	875.94	261.35	1335.71	355.35
3727	18494	76.71	90.37	40.55	47.64	25.64
3238	20728	76.59	353.36	77.32	262.01	83.55
4272	463	76.56	32.22	10.62	20.87	9.02
4221	21122	76.55	982.26	313.72	1534.32	488.06
3329	8957	76.53	614.35	137.63	472.66	100.57
3329	8956	76.51	307.2	64.86	233.02	63.04
2949	3549	76.47	314.73	122.77	199.55	79.79
3666	17448	76.39	107.7	47.37	53.28	35.99
3749	25480	76.35	396.02	159.52	609.34	192.08
3275	6013	76.33	1203.22	351.67	1916.56	625.38
3330	12523	76.31	233.87	57.22	160.14	60.26
3875	25253	76.29	443.36	113.38	316.98	101.7

3679	24810	76.24	234.73	121.28	419.97	149.98
3621	15273	76.11	68.12	25.03	43.8	30.62
3117	24707	75.88	803.26	267.21	1268.52	454.81
3956	1546	75.88	266.24	130.33	301.31	73.82
3326	1447	75.86	299.06	55.12	240.19	59.89
4252	588	75.83	549.32	261.23	944.83	266.61
2999	20464	75.82	1158.23	293.14	1791.43	557.37
529	15087	75.82	116.15	39.85	80.28	31.73
3844	11405	75.79	76.56	25.67	38.92	19.51
3749	21977	75.78	457.76	166.47	711.73	219.29
2970	32	75.77	240.43	118.96	298.15	82.32
3837	17299	75.77	46.84	19.86	26.78	13.14
3302	23961	75.77	762.83	315.82	1092.98	221.2
1216	2016	75.75	186.11	45.37	130	33.98
3939	21576	75.74	131.37	44.22	79.13	32.62
3537	20801	75.71	174.53	104.38	61.22	43.1
4192	20715	75.7	631.56	305.69	379.9	431.78
2871	811	75.64	498.38	186.42	679.27	146.6
3386	20734	75.63	406.23	226.62	193.81	122.13
79	2098	75.63	197.62	62.14	131.89	39.14
4122	25078	75.6	257.77	72.5	360.32	102.61

TABLE 5RRR: Peroxisome Proliferator				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1886	18742	98.82	1395.22	377	331.46	139.11
2592	3860	98.23	1020.07	183.29	386.32	144.26
692	21354	98.04	2438.54	664.57	398.66	326.24
3927	9268	97.99	388.91	99.47	156.52	54.93
3958	17758	97.86	2183.07	1294.12	338.94	276.11
3335	26109	97.7	1431.69	788.49	130.13	201.23
4030	21355	97.64	1608.57	598.02	284.11	233.93
3708	15601	97.59	591.73	88.14	308.01	75.3
738	20711	97.54	1093.37	395.06	122.84	168.15
3722	20554	97.11	781.07	265.31	256.75	121.19
3857	16546	96.52	473.71	108.35	188.12	80.79
3731	17935	96.52	1301.26	245.19	417.34	241.18
1830	3279	96.18	1448.22	289.68	689.02	171.45
793	4271	96.04	773.49	392.46	50.42	98.08
3555	25070	95.93	871.16	132.57	495.28	122.26
2528	4272	95.91	447.67	209.78	28.57	53.7
1953	21164	95.72	891.44	192.29	356.8	153.87
777	21010	94.92	1825.11	610.76	661.38	258.7
3058	23698	94.15	2682.98	1467.86	327.6	259.44
3093	18749	94.07	340.43	180.29	59.1	43.36
1720	9805	93.8	651.04	107.46	388.61	96.62
282	21341	93.48	1729.16	293.99	844.97	286.35
2941	5616	93.33	701.71	115.57	1262.83	376.92
1573	24290	92.8	1566	269.08	2840.19	688.49
2079	2811	92.79	460.54	132.66	188.34	72.44

1234	22603	92.73	678.05	170.3	255.81	98.93
3168	16721	92.71	522.59	136.6	256.69	66.29
3472	20915	92.68	1741.17	527.25	519.29	335.46
1742	9372	92.36	992.51	290.48	290.67	172.25
2066	17027	92.11	459.3	164.1	1158.32	403.43
702	18890	92.1	2126.61	703.94	731.73	311.39
2140	11525	91.82	605.99	118	378.78	80.31
1088	2457	91.7	925.53	285.3	243.33	129.08
2625	14131	91.67	177.72	85.3	32.53	28.09
3993	18867	91.55	341.89	108.84	832.37	217.2
2589	5602	91.54	1093.96	425.02	195.9	181.31
509	3844	91.53	133.76	30.36	66.02	27.78
695	20038	91.53	224.07	64.78	66.56	52.17
2706	6512	91.45	261.67	69.23	137.69	58.66
1205	3513	91.38	224.19	72.29	102.21	27.27
3949	17887	91.27	674.94	138.23	1162.37	315.74
3495	20925	91.05	2025.8	953.53	398.28	388.07
897	2813	91	1449.62	337.35	768.66	202.18
1234	22602	90.97	418.08	125.73	118.05	80.02
3098	6055	90.93	688.38	146.53	1094.5	229.18
750	18891	90.88	1054.26	375.61	291.23	139.59
3162	15872	90.85	233.66	58.8	502.31	168.5
1268	3121	90.84	1531.83	384.49	808.91	233.77
1780	5597	90.72	97.1	25.96	172.5	42.38
1799	9522	90.55	30.09	13.71	78.75	30.69
875	22416	90.5	692.09	317.42	139.61	72.86
3276	2150	90.45	521.41	72.48	785.87	161.72
1509	6553	90.3	180.98	39.98	68.24	47.43
6	16704	90.3	1493.66	416.18	595.44	266.45
2432	21822	90.28	545.57	87.01	344.74	79.78
2932	1977	90.28	934.5	248.52	360.68	157.96
3044	4199	90.26	576.36	100.68	896.44	203.32
3557	19992	90.12	1056.22	170.88	617.21	213.79
3235	20851	90.04	291.79	138.72	64.52	70.23
688	22051	90.01	338.08	85.59	153.02	62.05
2361	3524	89.97	490.75	71.59	332.05	74.66
3929	16768	89.82	993.05	221.21	488.29	151.19
3293	21975	89.72	134.46	50.41	270.19	80.88
2471	3099	89.71	907.15	119.96	637.06	122.41
9	21815	89.69	381.67	92.68	210.21	56.32
3667	15175	89.55	413.05	95.48	229.57	63.71
870	22392	89.53	574.14	120.92	369.34	80.99
1906	24275	89.5	563.19	134.97	318.76	90.64
2433	6788	89.41	284.1	46.49	138.84	75.96
3357	5622	89.28	974.12	164.12	1603.77	372.32
4277	420	89.2	267.25	85.23	115.74	68.66
3093	18747	89.11	658.81	286.26	149.06	105.49
3340	17516	88.95	516.51	162.9	246.62	71.11
2041	22014	88.85	70.55	31.16	160.5	45.96
4192	20715	88.76	2217.46	1097.81	359.61	356.68
2850	1728	88.73	710.85	263.03	244.12	97.33
287	14507	88.59	283.34	107.83	92.58	91.6
3555	9929	88.54	1111.6	218.07	666.24	174.77

3949	17886	88.53	806.81	117.22	1257.51	424.91
1325	22840	88.53	478.71	118.87	882.27	261.28
2694	23228	88.39	670.47	187.41	1455.62	515.12
2092	18126	88.32	685.5	140.82	399.7	120.11
1524	3167	88.32	520.76	116.21	274.29	101.53
2643	15085	88.28	2781.4	893.62	1413.37	396.39
3675	21693	88.26	554.41	100.33	885.83	199.67
3191	19391	88.17	152.41	46.18	322.4	126.75
1194	3720	88.05	312.35	34.01	231.14	46.62
304	4163	87.95	286.14	77.56	126.79	79.16
3785	12496	87.93	35.43	9.11	77	29.81
2862	1354	87.89	535.54	152.35	258.55	220.17
3994	18083	87.83	367.23	288.94	21.22	51.65
914	22604	87.82	2296.72	720.82	1014.22	444.77
1825	8784	87.8	332.31	80.63	179.04	57.23
3857	16547	87.61	1479.5	304.08	813.12	232.12
1802	11954	87.6	2107.02	975.37	1701.5	472.72
3101	18725	87.56	88.4	26.82	216.37	84.48
1527	7831	87.48	327.01	42.02	451.45	82.81
919	22050	87.48	1406.66	297.61	762.8	382.68
2611	14103	87.45	114.63	38.57	267.93	112.19
4026	9096	87.32	795.28	258.03	369.53	436.81
3682	20724	87.3	34.94	17.31	85.73	32.91
2867	9135	87.3	963.58	109.67	744.99	134.09
3647	18315	87.05	195.41	95.17	44.7	32.67
603	7756	86.69	157.38	94.07	32.34	32.19
3074	20703	86.58	110.85	79.58	454.52	484.06
67	20998	86.57	724.75	229.63	1253.86	332.87
3145	21729	86.36	1520.29	697.04	633.94	312.6
536	14595	85.8	398.86	210.76	63.72	70
3270	18958	85.75	841.29	349.21	318.62	105.44
4006	18450	85.54	685.82	109.75	493.89	105.43
3978	48	85.5	392.22	108.61	672.18	188.91
4064	25500	85.5	79.5	29.1	156.14	51.1
2861	1351	85.16	61.44	17.14	39.4	23.22
3555	9931	85.04	911.87	180.18	611.39	150.58
2942	12158	84.86	488.42	266.07	229.44	545.86
3932	21848	84.55	419.85	70.76	300.4	77.78
2935	12156	84.24	1207.53	581.96	492.19	858.02
3806	13005	84.23	284.27	162.53	250.8	86.13
3836	17154	84.13	306.08	68.22	187.06	78.52
3073	20705	84.11	305.83	177.63	1037.14	951.07
3272	23660	84.03	719	242.9	1342.24	415.04
3722	20555	83.98	858.8	430.75	333.39	171.92
3240	21078	83.94	1132.66	178.79	732.96	210.84
3653	5496	83.88	269.46	90.87	495.69	154.23
529	15087	83.85	117.76	26.39	80.39	31.99
3092	382	83.84	184.44	52.17	298.72	88.62
4144	699	83.8	420.54	62.37	614.3	157.86
3528	15755	83.67	436.74	126.41	744.46	178.3
2981	25055	83.63	494.56	277.8	238.93	545.97
3345	16150	83.56	1732.97	956.96	655.56	225.21
4107	229	83.53	476.65	96.56	683.17	158.59



3288	20859	83.42	86.3	29.41	41.46	19.76
3101	18726	83.31	214.14	59.83	364.53	114.8
3428	19679	83.31	174.52	95.87	393.25	139.52
3731	17933	83.29	326.01	125.87	126.45	67.59
3150	6780	83.2	1165.95	265.02	781.43	186.55
3932	21849	83.16	255.45	48.89	155.92	59.77
3025	20713	82.99	2233.44	1149.79	698.6	475.99
3029	1973	82.88	253.17	53.56	393.21	106.51
1205	3512	82.84	188.43	56.13	109.67	22.12
467	21909	82.71	85.27	25.88	155.47	58.73
3661	6554	82.64	383.48	117.89	613.77	160.84
3647	18318	82.63	307.84	156.14	85.01	57.77
3718	17806	82.62	28.35	17.49	78.22	35.81
3929	16767	82.59	1114.94	256.57	598.92	188.52
2876	19590	82.59	109.66	39.53	52.83	28.39
3647	18316	82.52	272.93	146.04	71.63	53.95
3819	18175	82.52	873.12	220.25	492.37	109.45
3299	8182	82.51	948.23	221.02	1461.33	332.47
2877	135	82.49	191.44	52.76	308.11	109.98
409	23336	82.46	93.43	53.71	23.6	22.62
628	20985	82.46	312.53	142.66	134.71	54.21
3014	15579	82.32	2231.79	1412.02	1671.33	656.28
93	22918	82.15	148.21	76.06	34.53	32.02
2929	1421	82.14	206.14	55.75	137.96	22.3
1876	18509	82.13	365.15	46.59	269.39	57.64
4002	17203	82.09	1014.4	134.98	758.17	175.38
3219	24	82.06	21.95	12.59	53.02	24.96

TABLE 5SSS: Rat-Specific Carcinogen				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828.1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3472	20915	93.91	1805.09	604.22	511.5	314.52
2338	16703	88.66	2138.04	506.86	1151	358.58
3927	9268	88.25	336.95	120.8	156.25	54.84
717	16067	87.61	409.09	114.06	166.21	113.22
2625	14131	87.2	150.18	85.27	32.26	27.88
3044	4199	87.07	611.54	119.74	897.5	203.17
1720	9805	86.93	601.47	126.8	388.13	96.51
1573	24290	86.56	1754.24	422.93	2843.5	688.37
3162	15872	86.1	265.64	82.22	503.15	168.47
2368	9032	85.89	833	120.24	600.82	156.37
2185	7022	85.56	108.49	40.67	36.13	37.46
2862	1354	85.48	489.01	150.84	257.93	220.57
6	16704	85.15	1320.9	456.21	593.86	265.98
2592	3860	85.1	863.45	299.89	385.85	144.31
1886	18742	83.72	1099.78	570.72	331.3	139.42
3682	20724	83.54	41.06	19.44	85.88	32.9
3653	5496	83.52	283.08	84.44	496.65	154.04
3093	18749	83.4	276.07	184.17	58.8	43.21
3141	23445	83.38	82.35	59.13	238.47	130.21

3653	5497	83.33	389.95	134.98	647.1	186.12
3958	17758	83.32	1635.9	1397.51	339.32	276.79
3357	5622	83.08	1056.24	205.4	1605.61	372.33
2528	4272	83.02	326.33	262.98	28.6	53.81
4030	21355	82.81	1197.89	828.88	284.72	234.39
3335	26109	82.78	1047.85	906.25	130.36	201.6
692	21354	82.78	1824.88	1133.25	399.24	326.93
2248	3969	82.63	427.9	66.47	574.31	144.07
1830	3279	82.51	1233.57	424.63	688.98	171.78
2860	25281	82.44	206.56	29.85	153.38	48.83
4033	6824	82.41	608.07	167.81	412.35	215.83
738	20711	82.35	792.82	585.45	123.27	168.49
3058	23698	82.27	2027.31	1621.74	327.27	260
1155	3302	82.2	161.88	45.78	263.17	89.59
1542	7926	82.17	145.03	33.86	94.57	52.51
2663	14202	82.14	125.33	53.49	57.41	52.28
4277	420	82.08	244.09	86.72	115.36	68.51
184	4291	82.06	143.23	61.43	312.22	138.74
3722	20554	82.03	636.3	323.16	256.65	121.44
793	4271	81.78	550.39	486.67	50.73	98.25
3857	16547	81.62	1328.12	373.64	812.39	231.92
2706	6512	81.49	232.08	79.58	137.58	58.69
470	21917	81.42	27.61	11.21	76.12	66.21
282	21341	81.38	1470.98	486.82	845.07	286.97
919	22050	81.3	1307.01	364.7	761.21	382.02
1285	16701	81.25	3576.94	1006.26	2250.42	688.67
3093	18747	81.14	540.21	308.81	148.55	105.43
1268	3121	81.14	1370.17	421.73	808.06	233.87
3708	15601	81.14	508.7	154	308.05	75.45
3645	28	81.01	455.22	163.25	811.05	265.6
3555	25070	80.95	776.25	192.1	495.05	122.45
2789	5046	80.88	40.05	15.39	78.3	42.16
2131	15673	80.85	1200.23	162.33	915.03	191.72
1742	9372	80.84	783.92	415.34	290.82	172.65
3215	8899	80.82	695.06	122.26	910.11	199.42
2243	15146	80.8	124.94	35.52	224.58	111.01
3879	15125	80.79	2526.33	930.66	1632.56	604.59
3879	15127	80.74	1046.44	242.52	686.77	324.88
1636	8315	80.63	205.65	79.92	75.33	61.5
777	21010	80.54	1512.33	722.25	661	259.12
1388	15033	80.53	483.41	57.93	397.1	82.8
3857	16546	80.52	384.87	171.05	188.26	80.91
2510	8036	80.5	107.25	42.63	190.64	67.22
3731	17935	80.44	1027.75	489.09	417.74	241.61
1932	9595	80.34	116.46	25.48	181.72	57.94
1953	21164	80.27	720.73	321.7	357.14	154.07
3495	20925	80.25	1545.55	1118.98	398.57	388.7
2021	3256	80.2	1363.2	223.24	1008.47	282.45
1234	22602	80.11	346.86	156.71	117.77	80.11
2611	14103	80.1	130.83	53.52	268.45	112.17
219	6281	80.09	428.91	67.82	322.98	57.65
3098	6055	80.06	755.74	171.13	1095.41	229.36
3557	19992	80.03	961.81	217.4	616.62	214.06

789	16944	79.95	653.89	186.47	493.26	118.6
3864	17653	79.94	33.67	9.69	61.84	28.94
726	3963	79.93	305.58	62.1	433.33	110.78
1234	22603	79.9	551.03	249.59	255.93	99.16
509	3844	79.84	115.57	40.04	66	27.82
2361	3524	79.74	466.11	84.63	331.66	74.43
875	22416	79.71	533.31	369.04	139.63	73.03
2222	24313	79.63	470.74	59.57	385.82	60.61
2627	18900	79.6	1105.69	187.66	800.38	174.92
3044	4198	79.56	808.6	112	1096	231
304	4163	79.55	248.62	94.31	126.64	79.23
378	11827	79.51	24.08	5.69	38.86	17.24
1194	3720	79.5	294.46	48.31	231.04	46.59
3675	21693	79.5	634.8	176.62	886.1	199.83
1205	3513	79.49	186.87	85.46	102.25	27.33
1755	9475	79.48	507.64	185.43	865.8	307.15
143	2544	79.42	142.29	38.28	223.97	68
1418	12766	79.4	535.24	155.92	819.07	248.03
2160	21676	79.39	56.27	22.06	23.05	23.13
1780	5597	79.39	113.41	35.69	172.6	42.44
3954	4312	79.22	300.11	231.72	59.29	145.18
2932	1977	79.22	751.49	363.3	361.04	158.19
3667	15175	79.14	351.74	129.02	229.74	63.77
4290	1561	79.05	678.96	104.86	876.64	222.96
2140	11525	78.98	543.41	145.13	378.73	80.39
3105	16217	78.91	331.03	49.07	453.05	151.94
3555	9929	78.88	984.42	275.55	666.24	175.2
2941	5616	78.86	798.91	213.64	1264.02	377.29
3417	12087	78.83	721.43	172.31	1033.05	313.71
4064	25500	78.72	92.72	36.52	156.3	51.14
2079	2811	78.66	376.87	175.31	188.45	72.58
3322	20913	78.65	1344.66	1526.29	252.08	239.71
3168	16721	78.6	439.68	176.78	256.82	66.39
3145	21729	78.6	1337.31	666.05	632.62	312.5
3993	18867	78.58	464.09	223.16	832.71	217.61
3198	1588	78.11	150.03	38.75	236.26	84.77
3702	4748	77.84	864.02	171.56	1193.49	354.11
3276	2150	77.8	578.71	114.96	786.21	162.02
4205	575	77.78	647.61	149.34	910.21	310.61
3357	5619	77.7	236.87	83.36	434.3	224.27
2850	1728	77.61	564.17	323.78	244.37	97.47
3929	16768	77.55	827.1	326.5	488.7	151.42
3156	17541	77.55	2640.18	1157.61	1611.53	611.61
3836	17154	77.53	282.38	73.61	186.86	78.6
4192	20715	77.52	1645.27	1301.97	360.39	357.44
3072	16519	77.51	167.17	65.13	374.61	224.57
3293	21975	77.45	162.3	68.52	270.39	80.94
3235	20851	77.42	226.26	158.41	64.53	70.36
3555	9931	77.42	842.19	198.93	611.09	150.67
3029	1973	77.35	278.95	64.12	393.47	106.7
3573	7872	77.32	201.16	69.12	295.58	81.6
505	21674	77.21	81.3	20.95	47.97	29.6
640	1562	76.92	632.49	156.59	886.15	225.36

3716	17601	76.86	54.6	26.05	103.26	39.63
603	7756	76.82	117.71	101.87	32.42	32.24
3879	15126	76.72	1875.41	613.22	1264.52	531.77
1244	25211	76.65	24.28	8.6	41.3	18.02
3202	17401	76.65	214.98	90.12	437.23	217.41
612	3381	76.48	152	27.96	112.85	34.15
3428	19679	76.48	207.81	106.28	393.8	139.56
3660	20940	76.46	712.05	180.72	544.11	214.98
3344	355	76.44	39	11.16	65.51	38.58
3322	20914	76.39	1239.7	1139.09	217.52	235.85
3634	18990	76.29	57.72	40.69	25.18	57.42
3994	18083	76.28	264.56	293.42	21.29	51.77
629	17752	76.27	316.19	69.14	474.47	141.73
3340	17516	76.23	440.41	184.62	246.6	71.25
3629	6672	76.22	51.56	15.14	78.39	25.38
3270	18958	75.96	677.7	394.05	318.89	105.63
3014	15579	75.96	2192.69	1209.56	1669.05	656.58
4030	20698	75.92	555.55	154.85	906.07	449.65
2860	9029	75.71	488.95	86.61	377.63	190.26
1566	20983	75.67	1372.88	425.72	990.57	285
3272	23660	75.57	819.62	309.13	1343.7	415.06
3528	15755	75.51	499.07	155.59	744.94	178.51
3749	21977	75.49	570.55	106.99	710.01	221.7
3891	15409	75.21	1048.64	448.2	591.54	275.01
3074	20703	75.09	161.99	107.91	455.4	485.2
382	15150	75.08	68.9	24.08	36.74	21.51
3647	18315	74.94	150.9	107.86	44.73	32.72
3288	20859	74.91	74.16	33.21	41.44	19.76
3573	25453	74.79	241.97	69.06	325.2	79.65
3949	17886	74.76	902.13	187.48	1258.14	425.92
3731	17933	74.67	272.09	138.91	126.39	67.68
3219	24	74.6	30.14	19.68	53.04	24.99
611	8438	74.58	53.2	34.64	94.94	45.26

TABLE 5TTT: STEATOSIS						
Timepoint(s): Various				Attorney Docket 44921-5038-01-WO		
				Document No: 1935828.1		
SEQ ID NO	GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3223	23710	99.44	426.99	158.47	39.74	127.2
3223	23711	99.12	1638.85	605.56	175.11	252.99
952	18383	98.96	1708.97	388.87	745.76	148.48
2882	24799	98.96	1195.6	333.09	301.34	104.38
2077	22204	98.88	738.56	369.62	102.92	76.96
3563	24800	98.78	461.64	85.12	137.87	62.98
2786	21043	98.54	464.68	225.48	71.55	45.75
2106	5339	98.22	1793.4	478.09	496.04	253.26
2882	25805	98.01	132.61	31.16	50.71	18.07
3229	25567	97.66	545.53	171.91	142.84	138.08
3083	20744	96.92	1141.12	158.4	343.95	298.59
3154	11136	96.17	631.45	96.47	314.65	116.78
1372	6044	96.07	1316.46	200.37	751.26	207.08

1838	4355	95.51	133.56	78.66	408.05	114.28
334	17461	95.43	2844.1	440.98	1402.43	543.42
2600	3917	95.43	2920.63	643.23	1576.49	500
1791	15080	95.37	316.04	55.21	620.44	150.65
842	7426	95.24	477.73	89.2	292.87	74.23
715	3944	95.22	198.86	23.52	380.78	282.11
2023	23260	95.06	125.82	46.12	20.66	49.17
3223	23709	94.76	1101.41	241.84	172.11	240.14
2495	7416	94.74	819.53	98.21	1176.85	224.36
997	24251	94.34	1038.37	755.99	86.17	107.9
3563	24798	94.31	1518.71	252.85	565.68	185.28
2182	22311	94.28	511.57	285.28	179.32	61.1
1660	3498	94.07	300.42	102.94	73.75	48.71
2848	24797	94.07	515.62	308.75	64.38	43.43
4164	957	93.97	264.22	94.11	94.59	44.99
70	21042	93.91	305.23	110.33	53.99	33.18
1841	15841	93.83	199.05	70.49	58.42	27.28
1625	4155	93.81	249.66	152.06	27.55	32.84
1944	24803	93.81	3007.25	749.04	955.38	309.22
2677	2789	93.78	317.62	114.62	74.43	42.55
1130	3145	93.67	297.63	84.46	649.4	207.49
3563	24801	93.57	1207.19	290.56	446.91	135.33
2124	7642	93.54	67.34	17.76	122.77	35.28
49	11314	93.51	257.97	67.63	98.13	28.06
1070	2342	93.41	401.37	137.42	134.67	55.66
1316	4154	93.41	555.97	278.15	84.83	71.73
3186	956	93.38	720.99	156.39	298.87	124.24
706	4725	93.3	579.8	359.59	21.53	107.74
1094	2486	93.22	249.93	52.97	520.51	164.41
4024	6988	93.2	2406.98	1034.92	410.58	325.25
3800	21709	93.17	357.59	73.41	192.65	45.44
4090	357	93.12	231.23	115.1	73.5	31.36
1221	1597	93.12	609.69	268.54	115.4	119.12
1586	6697	93.06	178.7	37.6	75.11	28.96
3344	355	93.06	212.6	98.49	64.16	36.13
2508	4731	93.04	254.16	159.28	53.52	76.17
227	6295	92.96	2644.86	728.83	1083.65	420
2577	3435	92.93	184.96	25.05	287.41	58.82
1591	12825	92.88	413.85	151.26	143.86	52.1
476	21951	92.85	235.98	51.62	104.25	32.95
496	13686	92.85	103.07	42.55	43.59	16.51
2444	13785	92.85	91.31	36.25	28.32	17.53
3492	21063	92.85	136.54	43.55	45.61	21.99
3208	14997	92.82	813.66	304.23	286.03	274.33
3379	17908	92.8	341.3	138.37	71.19	114.56
3187	20943	92.77	504.3	179.19	266.22	58.79
569	11992	92.77	67.46	16.69	29.71	12.57
53	2040	92.74	774.24	317.67	220.97	113.13
1619	4789	92.74	254.77	78.25	69.47	41
2081	5953	92.74	1015.17	452.24	182.21	219.21
42	17380	92.72	501.31	97.98	259.51	56.66
3863	15642	92.64	808.95	240.2	374.02	156.59
725	4879	92.5	43.62	17.28	129.37	58.19

891	12306	92.5	2687.68	503.28	1137.44	517.33
2459	13838	92.5	305.8	60.31	157.62	44.52
2167	3418	92.42	529.23	125.97	288.59	78
2744	18783	92.34	799.23	207.78	388.28	110.02
1517	7745	92.32	303.03	102.02	126.97	55.6
2596	3885	92.26	557.57	199.34	208.63	88.95
177	8728	92.26	208.46	62.82	83.42	35.75
3271	1261	92.24	233.6	72.24	90.59	42.72
2175	22906	92.24	1786.46	657.16	555.14	414.33
3856	24778	92.21	1059.35	415.5	106.33	248.96
2498	13446	92.19	143.37	61.44	33.71	35.39
4153	1547	92.16	165.73	44.72	72.18	26.43
264	12119	92.08	360.14	104.12	138.92	67.02
4009	10018	92.08	446.94	151.08	201.19	91.27
1328	22545	91.97	609.53	157.46	241.55	110.06
1983	8634	91.97	294.7	88.11	115.8	60.8
594	11997	91.95	481.41	141.93	198.28	83.2
2632	4670	91.95	1831.85	620.15	481.05	417.75
2550	15173	91.81	785.73	283.53	350.8	158.06
840	22187	91.79	489.34	68.52	924.01	380.14
3271	1262	91.79	137.48	48.83	48.4	30.03
3559	25682	91.73	71.76	23.47	31.87	18.4
201	6135	91.71	60.23	28.77	167.14	63.23
754	11533	91.55	146.33	72.7	22.77	54.12
2386	22835	91.55	606.59	168.59	329.6	87.98
1250	21757	91.49	139.6	29.05	57.08	32.39
581	19086	91.44	307.02	105.81	121.33	68.32
3424	18727	91.41	1422.51	224.04	760.02	380.58
1425	3961	91.39	114.72	26.66	56.91	23.54
1922	12965	91.39	163.31	40.52	65.42	44.71
1022	5989	91.31	352.05	40.06	207.94	64.14
1831	17753	91.28	318.47	66.17	178.84	58.86
1028	12000	91.25	733.3	182.64	313.58	160.02
3534	21238	91.2	264.41	107.68	78.93	76.74
2891	21864	91.02	53.11	15.17	23.33	12.17
4068	15832	91.02	147.96	26.99	93.63	36.79
3617	17379	90.88	329.17	96.81	117.22	69.28
74	15011	90.88	155.88	46.39	82.42	32.9
3154	11137	90.75	791.65	145.34	412.17	156.26
3492	21062	90.14	82.55	21.3	24.77	77.95
3162	15872	90.11	910.15	170.07	496.35	167.4
3856	24779	89.87	1128.09	336.53	217.04	431.31
2983	21097	89.87	1420.72	240.02	921.49	391.32
594	11998	89.85	84.46	30.21	30.83	23.8
3801	18795	89.79	986.47	184.83	539.29	202.72
3299	8182	89.74	1203.09	47.91	1456.02	336.76
3192	24264	89.66	134.26	38.26	53.05	39.71
4164	958	89.58	807.4	316.04	296.8	130.18
3648	16163	89.55	648.04	88.56	458.64	164.64
2973	13682	89.15	288.54	74.18	153.7	61.35
3229	3430	88.84	690.29	198.65	233.82	132.92
3416	18702	88.81	164.57	74.52	58.66	22.27
444	15371	88.78	399.55	39.17	276.85	80.39

4143	25608	88.76	101.93	59.54	26.16	15.79
92	7947	88.46	131.98	31.57	80.52	36.3
3556	22282	88.44	147.9	29.13	93.96	29.46
1220	15292	88.38	358.65	103.05	161.56	63.44
2934	1549	88.38	410.81	141.11	184.09	57.88
3856	25321	88.2	798.05	338.01	64.55	167.83
3651	1920	88.17	790.83	133.55	440.27	270.56
4285	1818	88.14	1238.63	134.19	2116.18	830.64
3568	18728	88.04	141.59	26.39	98.85	24.21
3227	16982	87.99	987.99	320.68	332.79	475.14
4087	40	87.85	124.51	70.07	364.67	185.93
439	15313	87.8	99.62	50.66	27.35	36.67
610	14465	87.64	108.1	89.05	52.01	35.18
3248	15621	87.53	663.06	152.66	368.33	86.66
4212	1959	87.45	1193.48	118.42	2992.83	1816.78
3981	14822	87.37	293.24	88.39	140.34	51.94
4088	111	87.29	1115.66	277.57	3169.68	2035.12
394	21707	87.27	154.97	77.69	40.63	51.97
4091	2010	87.24	1441.28	152.66	2692.81	1261.9
3626	4234	87.21	1161.14	205.78	613.08	296.43
511	22314	87.13	300.82	75.74	141.88	48.44
2803	5545	87.11	792.71	164.59	1493.88	573.16
4286	3831	87.08	58.81	13.55	34.3	24.63
104	13930	87.03	252.18	77.11	147.06	105.72
4047	14632	87.03	1014.2	130.21	1528.57	1137.28
3196	23544	87	1094.48	73.24	1407.07	333.8
3643	4010	86.98	1382.63	273.1	3098.05	2058.69
3581	15683	86.87	121.35	56.18	38.42	29.66
3080	6477	86.84	1694.29	106.3	2267.84	867.07
4063	8210	86.84	338.41	120.93	125.65	85.94
2953	108	86.76	1105.33	125.21	2181.99	1123.63
25	16942	86.76	886.77	126.9	1437.03	498.61
3534	21239	86.74	765.8	261.3	322.09	178.98
581	19085	86.68	210.93	69.97	86.09	45.38
912	1798	86.68	1484.39	174.76	2804.34	1336.11
3401	23491	86.66	67.14	20.87	140.44	66.74
485	22860	86.63	118.74	38.34	54.3	23.7
3473	8211	86.52	1188.67	125.17	2378.65	1113.31
3564	1853	86.52	1338.93	193.22	2982.14	1637.61
3294	2968	86.44	1151.48	133.67	2449.68	1262.65
3643	4012	86.44	1414	214.2	2443.23	1160.81
3161	17306	86.36	1382.22	224.07	2606.3	1273.84
1836	14981	86.34	1141.57	161.43	3446.36	2312.72

**TABLE 5UUU: RAT-SPECIFIC**

**Attorney Docket 44921-5038-01-WO**

**Timepoint(s): Various**

**Document No. 1935828.1**

SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3879	15125	84.77	2623.95	842.22	1575.67	471.37
3472	20915	84.21	1482.7	752.57	479.62	262.28
2862	1354	84.01	450	153.08	233.59	190.41

4033	6824	83.81	570.81	162.86	351.71	78.39
2021	3256	83.57	1327.42	208.33	955.28	187.49
1268	3121	83.13	1330.48	375.72	836.94	183.13
2964	1795	81.97	1366.31	887.03	488.96	235.87
3879	15127	81.68	1013.56	234.78	633.55	253.76
1755	9475	81.6	554.87	188.47	926.41	276.42
3879	15126	81.56	1930.63	559.32	1189.75	434.61
3221	1794	81.53	5412.3	3108.18	2071.41	743.87
3156	17541	80.76	2645.89	1005.53	1588.11	444.98
3322	20914	80.53	1009.29	1047.24	178.67	134.52
3202	17401	80.2	249.15	110.67	498.58	206.08
2368	9032	80.16	777.18	139.95	567.86	106.91
219	6281	79.84	410.15	69.85	320.11	51.59
3836	17155	79.8	215.12	68.73	120.66	39.81
3357	5619	79.79	234.51	76.77	428.18	206.04
3162	15872	79.72	316.51	151.16	505.15	145.68
3653	5497	79.52	439.76	156.19	667.03	148.87
3141	23445	79.44	107.93	72.7	261.76	108.44
1314	12071	79.32	437.27	132.16	673.92	155.11
2131	15673	79.32	1145.62	173.26	888.43	148.78
3653	5496	79.04	324.6	106.16	510.54	122.43
1155	3302	78.92	174.53	48.02	254.31	62.31
3357	5622	78.92	1177.98	293.41	1609.15	289
3879	15124	78.88	1906.64	608.89	1304.79	348.07
1542	7926	78.72	145.13	39.34	91.73	48.52
717	16067	78.6	357.16	134.38	167.5	105.75
2510	8036	78.55	118.43	46.42	195.61	61
3781	18401	78.52	952.54	142.57	761.61	132.38
3273	1551	78.39	726.73	197.84	1088.03	324.71
3072	16519	78.27	172.13	64.03	364.2	199.28
3675	21693	78.04	681.45	178.86	928.07	172.96
1573	24290	77.96	2055.4	647.82	2979.79	584.6
3766	14670	77.92	1672.79	437.76	1140.11	274.32
3093	18749	77.76	223.32	181.08	58.27	43.29
2027	6479	77.71	630.02	288.07	1032.96	330.38
2016	15286	77.67	549.76	79.17	447.88	78.99
2611	14103	77.43	176.73	118.86	297.35	100.28
3528	15755	77.4	544.46	170.72	779.61	143.84
2627	18900	77.28	1056.95	181.06	771.95	138.73
4107	228	77.23	397.22	79.43	512.97	100.94
2185	7022	77.16	86.36	52.28	29.16	25.94
1808	2057	77.16	615.68	202.97	388.23	106.91
1244	25211	76.91	24.5	9	43.05	18.48
1780	5597	76.84	124.85	41.46	179.07	38.09
3101	18726	76.83	251.29	75.38	375.83	101.91
2625	14131	76.8	118.04	90.81	33.66	26.22
781	5140	76.79	44.4	21.02	74.83	28.36
3044	4198	76.79	853.32	161.43	1091.61	171.92
2215	22139	76.72	837.69	164.99	644.66	117.16
470	21917	76.71	31.58	13.87	64.87	39.46
3864	17653	76.67	35.76	10.15	57.57	22.45
4030	20698	76.63	601.93	178.63	879.35	280.22
2663	14202	76.56	111.74	58.74	56.98	49.7



3044	4199	76.55	690.94	183.72	898.75	164.81
2558	573	76.51	618.11	237.13	975.07	295.14
2440	16998	76.47	20.38	16.28	45.95	27.03
9	21815	76.4	309.71	107.25	209.22	52.06
3927	9268	76.36	282.52	138.46	155.55	53.75
4205	575	76.27	664.14	145.02	897.58	252.02
3006	25430	76.27	486.71	102.89	644.44	170.21
1171	17470	76.24	277.71	114.79	145.34	62.06
2338	16703	76.24	1913.89	582.91	1240.26	288.4
3557	19992	76.16	875.05	239.2	580.22	132.3
3322	20913	76.12	1066.66	1380.37	219.71	119.06
3221	1793	76.04	2478.8	1576.77	1097.84	375.98
629	17752	76.03	340.85	78.71	495.89	132.62
1720	9805	76	550.71	138.31	395.29	85.74
3098	6055	75.99	817.68	186.74	1113.58	195.57
3931	20707	75.88	1074.4	363.88	623.34	229.96
3101	18725	75.79	128.6	61.82	225.51	75.92
1868	7223	75.76	360.85	96.68	255.52	64.21
3808	9055	75.75	510.14	112.71	367.61	91.06
1024	23928	75.67	111.29	26.45	146.26	33.19
2248	3969	75.59	473.73	110.17	597.57	115.6
2029	20466	75.55	284.65	103.54	459.19	140.55
3426	17324	75.47	295.81	60.17	404.23	102.12
2578	19287	75.47	42.68	12.35	62.32	18.46
2706	6512	75.44	208.39	81.87	136.6	41.71
1638	10200	75.43	39.83	18.9	22.12	18.89
3978	48	75.43	648.81	302.27	683.58	167.49
2581	14264	75.36	202.97	116.57	87.57	62.25
144	10623	75.31	1092.74	764.49	1180.6	478.26
1453	22592	75.24	106.81	104.36	40.04	56.27
136	1822	75.23	33.68	10.71	57.49	22.41
2620	23296	75.23	485.14	116.31	329.92	87.08
3932	21848	75.19	379.76	69.57	292.87	68.85
702	18890	75.16	1507.23	832.9	737.74	225.08
143	2544	75.15	162.97	51.61	239.6	63.17
304	4163	75.07	223.36	94.7	123.16	67.03
3093	18747	74.92	451.34	306.82	146.19	105.34
2884	1641	74.87	61.36	24.27	108.26	38.6
3849	17091	74.84	76.85	38.1	36.58	18.42
3417	12087	74.79	793.42	209.52	1114.3	244.52
1802	11954	74.79	2126.74	748.7	1724.99	462.74
3584	6911	74.78	180.24	36.01	248.73	65.16
1932	9595	74.71	126.92	36.44	183.5	50.27
1332	15593	74.71	217.21	66.32	138.49	62.47
2860	25281	74.67	190.57	38.95	144.14	32.18
1263	4037	74.62	28.03	37.34	65.97	41.49
1112	2828	74.59	161.9	36.94	125.9	34.36
643	22150	74.54	61.47	11.65	84.4	24.9
435	20701	74.54	603.12	180.17	865.54	266.35
3133	20354	74.5	21.53	11.34	43.9	31.61
3344	355	74.5	41.66	12.83	64.66	25.6
3876	16043	74.46	101.39	21.39	128.12	30.01
4118	1479	74.43	222.6	80.87	317.81	84.69

3645	28	74.43	556.17	223.25	892.23	208.14
3775	25443	74.42	917.97	200.37	1189.29	304.35
300	8872	74.4	695.6	245.44	441.84	110.47
2160	21676	74.39	45.49	30.66	21.64	19.7
4064	25500	74.31	104.95	40.42	161.29	47.83
3993	18867	74.31	549.12	243.77	865.2	172.47
823	22008	74.3	296.37	49.26	368.53	82.95
3042	1529	74.27	449.23	105.31	605.6	103.81
1643	8422	74.26	97.71	48.06	45.21	70.14
1787	14208	74.14	106.41	32.72	151.77	45.17
3634	25069	74.12	458.66	326.61	147.86	116.19
2337	22802	74.1	67.36	24.66	108.03	47.66
402	16320	74.07	68.75	22.55	105.75	30.18
359	14234	74.07	710.12	202.7	514.62	105.95
3105	16217	74.06	352.45	61.76	458.46	111.46
3800	21709	74.02	160.94	19.47	190.32	34.28
3250	18989	74	2454.55	1380.92	1433.96	445.39
2592	3860	73.95	733.59	336.39	383.38	129.24
261	22631	73.9	771.81	115.3	955.88	196.97
1636	8315	73.87	171.23	93.34	75.82	53.3
3172	7899	73.79	537.75	159.47	741.17	168.29
3022	16604	73.71	61.54	25.94	88.21	26.77
4209	25087	73.7	38.08	24.46	100.81	75.21
3268	11152	73.67	186.78	106.84	347.81	128.05
1641	19230	73.67	276.66	69.71	191.62	79.45
6	16704	73.67	1096.27	543.24	636.71	246.74
1886	18742	73.64	890.26	597.59	348.27	118.54
3193	1640	73.62	32.29	13.18	53.68	22.73
1317	11322	73.62	570.09	121.59	707.68	153.56
93	22918	73.56	92.07	80.7	30.87	17.21
3058	23698	73.56	1548.07	1592.18	309.32	237.84
3594	11849	73.55	844.24	144.27	709.23	125.29
340	18001	73.55	548.83	190.37	757.27	154.69
1648	8490	73.54	204.48	63.75	299.89	91.72
688	22051	73.51	258.88	106.95	147.42	54.9
2951	25363	73.5	591.88	255.04	857.83	389.42
611	8438	73.5	57.52	31.14	98.73	40.98
151	5996	73.5	159.2	44.36	236.79	75.36
3261	20876	73.47	2650.93	742.89	2139.21	589.85
838	24262	73.47	489.17	120.75	369.47	91.5
2033	8213	73.43	4912.91	1897.47	3437.62	1274.23
2963	43	73.42	325.82	84.6	439.75	109.96
2634	3816	73.39	443.14	71.75	363.33	64.33
420	15987	73.31	62.26	47.32	20.08	20.67
927	23035	73.3	473.9	123.19	646.68	172.92
3660	20942	73.27	953.3	204.49	774.59	190
612	3381	73.27	141.94	34.99	110.43	30.51
148	2845	73.27	689.05	103.71	592.14	77.83
3276	2150	73.23	630.81	141.33	830.26	130.29
46	20093	73.22	48.26	10.8	64.16	23.52
657	23731	73.22	101.69	20.69	130.28	28.17
135	1802	73.22	238.13	66.2	327.53	81.18
3954	4312	73.2	235.82	224.84	33.76	63.24

1830	3279	73.15	1088.81	437.58	708.82	164.9
4030	21355	73.15	917.83	844.58	259.39	201.32
363	4591	73.14	34.96	13.53	54.39	16.85
2533	13967	73.11	22.92	28.23	41.7	22.6
2647	21321	73.06	58.84	34.04	105.23	52.07
2127	11205	73.03	724.82	212.26	968.6	208.4
1388	15033	73.03	456.45	71.62	395.17	64.39
2222	24313	73.03	456.07	59.17	390.07	51.2
947	22729	73.02	115.41	54.9	185.14	77.04
1479	21933	72.99	4013.66	1903.79	5044.56	1583.57
3428	19679	72.99	240.64	111.55	422.94	122.95
3958	17758	72.99	1259.39	1342.92	351.61	238.28
692	21354	72.99	1398.38	1195.69	367.12	285.6
2391	7073	72.98	47.32	27.22	67.34	27.33
1938	23851	72.91	286.6	133	420.69	111.87
3797	20842	72.91	406.62	61.29	342.19	55.12
3422	21336	72.9	41.66	19.73	79.22	56.77
3049	13489	72.9	70.09	15.02	91.25	22.4
835	6691	72.9	174.21	48.64	238.28	67.46
3949	17887	72.87	889.35	265.66	1232.81	268.22
1599	6825	72.87	551.84	111.71	430.92	97.87
1903	3309	72.87	106.59	41.77	70.37	32.29
1981	2917	72.86	448.21	83.45	368.22	91.48
2935	12156	72.84	2561.41	3292.23	361.23	292.93
310	17766	72.83	603.51	92.66	491.63	80.16
3473	8212	72.83	2740.78	989.8	1974.73	664.9
3119	10626	72.83	1612.36	1089.21	1779.02	612.96
2242	16124	72.82	113.44	50.99	186.16	65.39
2936	12157	72.8	2870.9	3366.14	419.08	413.71
1181	12644	72.78	26.28	44.78	78.85	56.42
928	18661	72.78	475.5	80.82	583.48	121.2
2642	1653	72.78	329.58	81.83	395.72	79.72
4118	1478	72.78	355.19	97.16	455.16	99.81
2728	5052	72.75	2743.59	662.56	2176.68	543.34
3119	10624	72.75	1390.56	948.63	1449.5	577.99
3215	8899	72.74	756.2	151.64	940.24	173.69
2769	4175	72.71	701.75	194.72	472.55	195.09
2110	15109	72.63	256.6	46.04	222.37	48.99
2708	7307	72.63	40.63	18.23	24.09	16.27
3293	21975	72.63	182.91	70.69	272.58	66.08
3119	18719	72.63	1332.18	856.5	1376.5	458.54
1798	22099	72.62	145.43	58.7	238.89	86.05
1285	16701	72.59	3333.07	963.58	2408.6	540.48
3253	6598	72.58	105.96	43.94	176.32	75.3
1976	8880	72.58	176.61	92.7	348.91	169.26
2655	14181	72.58	121.73	30.27	163.68	39.99
1593	5877	72.55	257.38	60.52	195.77	52.29
509	3844	72.55	98	47.59	62.86	23.35
2730	19298	72.55	483.75	222.96	289.1	72.69
750	18891	72.55	721.37	444.53	298.66	102.51
1062	2588	72.51	163.3	60.42	88.17	53.39
2433	6788	72.51	188.62	118.49	130.87	63.84
2528	4272	72.51	240.67	265.09	23.84	51.73

2685	15181	72.5	54.31	21.75	81.57	24.71
------	-------	------	-------	-------	-------	-------

TABLE 5VVV: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various				Document No. 1935828-1		
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
1709	22929	83.24	394.12	515.32	1534.77	686.66
1101	2569	82.29	630.24	415.15	989.19	173.5
3749	21977	82.24	464.63	198	780.41	175.78
2225	11536	81.48	317.72	100.47	557.76	184.32
1709	22930	80.14	191.46	207.77	653.18	319.12
2607	6033	79.4	716.61	249.8	1062.57	212.84
1723	9191	79.34	400.77	242.37	779.36	243.39
3444	24321	79.16	512.27	249.23	887.31	195.16
636	12312	79.07	703.85	259.81	1057.79	204.56
3749	25480	78.92	397.83	176.45	668.05	155.44
4162	851	78.82	341.55	91.74	468.09	89.15
3024	1246	78.71	47.51	26.09	87.31	25.08
1691	9012	78.22	435.12	235.52	780.51	226.32
1457	2799	78.2	275.26	185.42	572.83	193.68
2238	7697	77.99	303.79	122.05	492.04	131.21
186	4330	77.94	1067.48	470.26	1662.6	338.32
3171	18564	77.77	288.02	95.25	407.63	80.26
159	6015	77.74	1128.2	366.47	1629.76	315.95
2609	3823	77.63	732.5	256.15	470.91	100.24
1285	16701	77.57	1752.03	751.41	2408.6	540.48
128	5934	77.4	202.01	137.26	416.91	140.61
816	22928	77.34	119.56	120.44	339.96	175.3
2519	633	77.16	1074.18	322.52	1421.84	214.49
3582	15700	77.14	335.75	110.41	485.59	105.24
3029	1973	77.02	295.11	83.61	422.87	94.38
813	17496	77	98.47	97.25	306.27	173.05
1895	22931	76.98	56.52	55.7	167.43	94.51
898	22554	76.63	1092.05	405.08	1639.91	357.08
2871	811	76.62	525.24	164.95	723.4	109.86
370	21025	76.47	45.64	43.97	98.56	42.78
2779	15170	76.47	138.72	60.59	212.65	45.31
3953	16993	76.45	770.2	335.43	1150.39	220.57
2630	8549	76.4	445.47	209.86	734.11	181.93
1787	14208	76.39	94.3	42.17	151.77	45.17
1430	1409	76.15	313.43	130.02	435.65	95.7
1911	4914	76.08	330.15	160.59	522.44	124.28
3202	17401	76.04	265.35	158.54	498.58	206.08
389	11635	76.02	211.28	82.62	314.64	73.27
3776	23558	75.99	261.81	102.73	350.64	60.25
2195	19363	75.94	1048.83	748.25	2172.92	808.22
4158	794	75.9	575.29	270.52	868.65	167.79
615	3131	75.76	309.17	146.46	478.47	135.26
639	13088	75.7	854.73	475.91	1406.97	347.29
705	10555	75.62	174.35	196.33	439.98	205.74
2338	16703	75.61	885.99	410.35	1240.26	288.4

900	22558	75.53	2594.36	713.4	3411.61	649.46
744	4944	75.51	232.33	164.34	95.09	48.47
2611	14103	75.42	170.7	89.26	297.35	100.28
1989	11576	75.37	56.56	29.25	87.45	24.43
3645	28	75.29	554.4	263.32	892.23	208.14
1889	11492	75.22	382.49	130.76	562.76	136.61
2590	4440	75.11	621.12	189.68	864.55	164.84
3224	22582	75.04	310.41	153.71	476.67	118.02
1726	9245	75.04	34.54	47.52	98.03	51.12
2304	22197	75	244.65	128.03	130.89	44.8
3455	6263	75	219.3	78.4	310.15	77.5
3710	16726	74.95	603.68	170.58	840.06	176.17
3450	20299	74.81	518.22	242.38	810.65	203.15
3386	20735	74.78	299.85	197.31	151.92	48.81
1520	2911	74.77	891.72	374.36	1274.57	298.14
246	21125	74.74	133.83	99.32	245.99	76.24
3457	10509	74.73	88.29	55.02	152.3	47.27
2761	11404	74.73	352.06	185.14	179.08	60.59
1466	7299	74.72	277.4	334.77	50.83	54.83
2871	812	74.69	333.66	123.26	484.38	88.86
4041	10545	74.63	305.05	117.99	191.15	51.01
3276	2150	74.59	648.71	151.06	830.26	130.29
1419	2670	74.58	127.9	89.66	238.24	91.62
62	4133	74.18	287.37	108.06	403.19	99.63
182	6060	74.15	410.22	130.87	518.5	90.31
2705	14767	74.15	208.74	97.86	343.32	101.07
1987	18522	74.03	339.47	122.61	451.2	104.55
2219	2536	73.98	347.97	312.16	668.31	319.47
3633	24645	73.91	305.06	111.1	420.1	127.47
2570	15955	73.84	139.42	98.08	204.39	72.01
3931	20707	73.76	457.33	395.34	623.34	229.96
115	19103	73.73	582.59	293.24	773.52	173.83
1000	17844	73.7	292.3	148.99	157.02	53.46
3060	7064	73.66	503.2	269.79	277.13	115.91
1381	3995	73.64	1327.2	400.68	1729	293.19
1508	7003	73.57	289.23	134.99	430.44	102.85
2802	19952	73.46	87.65	48.13	137.17	46.34
3513	24434	73.45	147.16	85.03	260.09	89.13
602	9053	73.36	46.21	33.99	81.05	25.99
3953	15029	73.23	1123.39	601.02	1730.82	409.24
2582	18910	73.23	740.94	419.74	1224.03	408.32
2418	12946	73.2	276.11	97.58	366.92	78.63
2970	32	73.19	237.1	79.79	314.26	72.46
1884	24375	73.19	178.09	76.34	112.64	29.43
716	3822	73.17	1766.33	603.91	1232.97	284.07
1117	2905	73.15	369.49	219.29	526.2	157.37
1775	11742	73.13	175.84	78.95	265.18	72.76
2995	2505	73.12	582.26	215.56	813.22	146.67
1006	24366	73.12	130.31	57.4	199.22	52.88
589	4590	73.09	32.45	25.98	57.6	21.45
2877	134	73.06	72.37	57.34	131.23	42.87
259	21173	73.06	139.08	74.53	212.42	66.08
353	6389	73.05	48.82	27.08	80.63	30.31

2656	22234	73.03	118.62	61.1	195.39	66.14
3516	23608	73	609.23	300.85	349.11	117.6
2436	13757	72.94	149.31	60.7	208.87	41.84
1566	20983	72.91	762.84	300.3	1062.51	225.58
3426	17324	72.83	284.14	110.38	404.23	102.12
3801	11830	72.83	866.49	395.25	558.85	145.17
1501	7582	72.79	355.08	163.31	564.39	184.79
1880	2484	72.76	194.77	169.63	403.94	204.93
1747	9399	72.68	246.85	87	340.61	91.84
2008	24162	72.68	954.37	293.68	1294.88	316.19
3042	1529	72.67	477.23	134.23	605.6	103.81
1091	2468	72.67	338.58	107.98	243.52	65.28
4228	25702	72.63	610.48	179.64	456.71	78.13
1622	8600	72.6	43.65	46.31	95.01	50.94
1916	9754	72.57	110.59	100.98	243.75	125.44
3241	15613	72.55	740.81	422.24	1276.17	623.89
1538	7903	72.44	40.73	42.65	106.87	69.91
4118	1478	72.43	325.94	119.44	455.16	99.81
1438	7199	72.4	1384.25	465.85	1845.15	398.42
3768	11403	72.4	371.7	287.29	125.79	105.44
2558	573	72.36	643.56	296.49	975.07	295.14
384	14353	72.34	56.28	28.81	31.1	11.73
1890	16885	72.31	1256.79	481.81	1715.81	408.9
4041	10544	72.31	248.76	99.46	157.91	41.83
1126	20694	72.3	326.2	160.75	460.4	125.61
1991	11693	72.26	254.68	178.21	437.13	175.04
1239	3031	72.26	34.99	22.59	74.78	38.3
2146	17049	72.26	260.47	110.53	362.27	80.9
1505	7617	72.21	188.2	126.55	286.76	113.63
3554	20380	72.19	122.94	62.6	185.13	66.19
850	19069	72.16	525.73	232.3	823.36	292.8
758	5026	72.14	52.53	56.56	141.34	85.98
2886	62	72.14	95.45	38.85	126.48	33.26
3517	24284	72.09	46.1	25.25	26.4	9.87
1986	13167	72.06	88.95	29.42	118.87	27.04
3386	20734	72.04	304.72	184.9	157.58	54.3
2035	3916	71.96	1153.89	480.43	1650.18	306.22
3679	24811	71.96	1109.31	455.79	1611.89	321.31
266	18908	71.96	138.13	160.61	305.79	160.25
3260	24771	71.95	850.49	356.84	1191.61	251.64
863	22368	71.93	932.35	292.47	1269.35	267.54
498	9905	71.91	517.94	174.33	687.19	116.87
3661	6554	71.91	476.48	157.14	648.62	137.68
4048	1753	71.86	332.32	161.4	473.76	147.26
363	4591	71.86	35.42	17.52	54.39	16.85
4228	10109	71.82	1242.54	314.81	990.72	130.13
1737	1501	71.78	674.84	419.83	444.37	117.97
2958	25370	71.78	95.94	79.86	168.03	87.16
1378	3934	71.77	1513.46	620.34	2092.23	459.8
234	6190	71.77	115.38	30.83	146.68	25.88
444	15372	71.76	230.28	76.59	166.84	33.84
581	19086	71.71	181.61	99.62	102.86	39.24
350	17334	71.68	255.48	129.36	154.43	51.81

4008	15239	71.67	735.97	182.55	589.29	104.99
3276	2149	71.67	809.63	210.72	1035.3	188.79
307	4134	71.62	714.86	333.09	1003.63	288.21
1537	7893	71.62	933.46	426	1316.07	348.51
2639	2822	71.6	113.55	50.74	171.31	50.56
2001	23075	71.57	262.8	121.45	154.33	70.02
1515	7665	71.56	281.16	131.36	174.28	48.3
581	19085	71.45	126.63	61.48	74.3	28.75
2169	13353	71.45	230.24	75.26	299.82	49.14
1290	3365	71.45	630.75	267.71	857.68	194.93
2548	14007	71.44	158.3	59.36	220.19	55.73
3749	21978	71.43	124.71	51.41	194.2	62.83
1696	18792	71.42	122.98	48.22	172.29	40.98
1295	4951	71.39	347.16	186.61	163.59	126.43
3227	16982	71.37	846.15	806.61	217.9	292.88
3141	23445	71.37	144.75	123.58	261.76	108.44
555	22867	71.36	200.41	71.94	267.95	56.86
1329	15089	71.36	253.17	143.75	143.81	54.42
865	2762	71.35	701.01	254.53	887.55	200.46
2218	3431	71.34	1330.63	434.05	979.49	230.62
2031	20503	71.31	668.44	359.37	995.08	297.94
787	24225	71.31	321.66	88.44	397.66	74.06
1923	14512	71.27	791.91	361.34	1148.03	332.91
2451	6604	71.26	26.65	19.24	43.55	15.59
1134	19249	71.24	304.03	147.92	202.74	47.99
3274	10886	71.24	730.33	287.1	1046.2	292.18
2000	10984	71.24	802.42	375.97	1112.79	241.21
2427	13749	71.22	31.36	20.88	50.79	20.84
3613	14970	71.19	151.93	50.29	192.94	33.17
1602	16765	71.18	190.04	77.82	257.16	57.64
2209	24763	71.16	69.62	30.18	99.74	39.5
1130	3145	71.15	489	190.63	677.04	169.61
434	16327	71.11	454.39	198.47	560.99	123.34
3888	12332	71.1	68.52	126.38	185.76	113.94
2038	5899	71.1	930.14	413.45	1287.79	254.28
194	19729	71.08	303.79	232.82	616.99	311.69
2089	17591	71.05	175.12	74.27	119.36	24.95
3134	8829	71.04	286.02	172.15	167.16	55.3
2632	4670	71.03	901.92	702.31	370.87	215.27
2633	7243	71.02	78.71	35.67	46.14	16.9
2257	12958	71.02	838.44	339.37	1212.95	349.39
2216	2532	71	33.67	79.66	119.79	81.06
1668	8808	70.98	331.35	127.32	442.27	93.97
1692	9016	70.97	1847.63	936.34	2925.18	883.92
1773	7868	70.94	188.55	79.16	296.31	95.77
2252	5943	70.92	417.65	251.42	723.51	291.6
2910	10184	70.91	82.54	57.81	132.19	51.45
2202	8387	70.91	227.23	69.53	308.51	58.02
2476	12587	70.87	73.09	44.69	118.52	45.74
3393	1099	70.87	179.35	73.75	239.9	63.52
2710	14776	70.86	110.07	46.34	159.04	43.79
232	11021	70.86	180.38	91.1	281.58	84.48
1476	7344	70.85	141.54	66.24	199.98	52.69

864	22370	70.85	198.41	77.32	280.23	76.9
2617	15900	70.85	239.02	90.01	167.84	49.46
1843	23874	70.82	295.61	144.88	187.68	69.09
820	22870	70.81	693.77	226.73	958.56	235.69
4118	1479	70.8	227.52	87.45	317.81	84.69
3319	15299	70.78	149.12	201.47	50.74	22.41
2096	15684	70.78	466.9	183.19	322.59	81.12
2294	5813	70.74	71.44	26.44	101.23	28.82
394	21707	70.73	90.05	86.85	28.22	26.82
2371	22569	70.73	114.78	52.45	153.84	40.41
1096	12361	70.73	335.35	252.61	436.16	157.59
166	5923	70.73	169.98	70.34	233.66	65.76
1733	9292	70.71	103.79	33.86	72	22.06
2576	14521	70.71	378.9	153.05	513.94	151.4
480	17225	70.67	195.04	96.2	118.27	46.57
2167	3418	70.67	345.32	114.21	267.79	44.4
2983	21097	70.66	1160.57	654.64	856.27	190.12
266	18909	70.63	1321.39	680.45	2030.18	629.64
3949	17887	70.63	960.66	311.73	1232.81	268.22
157	6007	70.58	476.71	105.67	574.72	98.28
4260	1877	70.57	596.77	248.33	719.16	151.81
3866	16809	70.57	53.93	47.14	23.52	14.01
2104	8215	70.56	515.08	206.26	349.32	68.7
1294	13936	70.56	87.37	31.65	117.14	29.77
2170	18507	70.54	868.8	287.79	643.75	144.25
3159	18960	70.51	119.65	54.24	168.02	47.49
2260	14083	70.5	423.13	196.39	588.93	152.15
1135	16883	70.49	1669.09	503.82	2170.81	460.15
160	6016	70.47	1705.77	1204.55	2241.42	568.62
2583	17703	70.47	290.62	88.28	366.57	67.04
3859	15136	70.47	743.81	236.73	535.14	134.51
1362	17524	70.47	2246.77	731.43	2927.49	618.74
28	17688	70.47	78.32	35.11	48.74	16.54
2417	6715	70.46	200.56	51.43	250.69	47.65
720	16465	70.46	337.24	87.66	428.48	97.67
3742	16364	70.45	136.06	115.14	197.06	76
1736	9331	70.45	50.42	25.03	28.18	17.25
3888	12331	70.44	226.27	122.01	353.91	112.9
3144	10248	70.43	46.56	47.05	20.42	12.29
4216	18606	70.42	873.98	233.92	680.36	116.77
4033	6824	70.41	568.53	304.74	351.71	78.39
267	17339	70.4	563.4	381.68	920.39	432.57
1980	24170	70.39	80.8	46.71	125.33	46.01
2713	14312	70.39	411.7	123.23	520.59	124.96
2431	6072	70.37	1663.64	663.25	1941.63	326.28
966	23584	70.35	179.59	131.26	234.93	66.45
4226	5667	70.33	927.04	191.86	776.26	104.11
3673	16204	70.33	898.67	220.96	727.47	111.06
618	13332	70.32	168.15	83.98	245.57	77.53
3178	20757	70.31	404.81	250.37	242.31	54.88
3046	1430	70.31	51.39	65.28	103.05	58.96
1138	3189	70.31	67.11	40.68	122.56	61.99
2292	17847	70.31	616.51	172.14	736.93	125.72



798	3791	70.3	193.24	56.31	235.97	46.45
1817	11228	70.3	603.64	216.76	792.46	203.62
1985	5874	70.28	92.97	43.42	128.57	38.7
1652	8132	70.28	81.73	37.4	49.75	22.13
1667	9067	70.28	905.02	319.12	657.76	172.4
2139	15016	70.28	536.98	184.44	385.15	96.31
2778	22038	70.27	155.38	55.42	113.17	25.26
1210	17963	70.27	79.62	37.82	113.3	44.12
1178	17009	70.2	129.88	155.48	260.53	165.61
3977	21439	70.17	88.75	70.01	161.04	67.26
2330	2818	70.17	365.52	82.6	298.38	49.62
1984	8339	70.16	65.35	30.78	90.94	28.43
3433	19712	70.16	110.98	53.23	150.13	43.73
1913	4143	70.12	386.09	124.01	513.41	127.96
3389	6017	70.11	455.13	455.31	914.37	485.04
2628	7888	70.11	330.85	125.48	235.58	51.54
98	12064	70.08	496.79	236.18	643.13	155.3
3233	21396	70.08	367.11	132.67	497.52	120.61
586	23783	70.05	450.8	137.01	583.47	119.36
2018	4091	70.05	411.19	128.17	319.94	68.41
4149	912	70.05	423.5	105.72	335.35	64.63
3390	24883	70.02	137.1	67.79	189.86	51.6
831	23055	70.01	53.83	57.88	111.9	77.42

TABLE 5WWW: CROSS-SPECIES						
Timepoint(s): Various						
Attorney Docket 44921-5038-01-WO						
Document No. 1935828.1						
SEQ ID NO	GLGC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
3171	18564	77.77	288.02	95.25	407.63	80.26
3029	1973	77.02	295.11	83.61	422.87	94.38
705	10555	75.62	174.35	196.33	439.98	205.74
3645	28	75.29	554.4	263.32	892.23	208.14
3455	6263	75	219.3	78.4	310.15	77.5
3276	2150	74.59	648.71	151.06	830.26	130.29
1419	2670	74.58	127.9	89.66	238.24	91.62
62	4133	74.18	287.37	108.06	403.19	99.63
2970	32	73.19	237.1	79.79	314.26	72.46
1006	24366	73.12	130.31	57.4	199.22	52.88
589	4590	73.09	32.45	25.98	57.6	21.45
259	21173	73.06	139.08	74.53	212.42	66.08
353	6389	73.05	48.82	27.08	80.63	30.31
2656	22234	73.03	118.62	61.1	195.39	66.14
3516	23608	73	609.23	300.85	349.11	117.6
1566	20983	72.91	762.84	300.3	1062.51	225.58
3801	11830	72.83	866.49	395.25	558.85	145.17
1091	2468	72.67	338.58	107.98	243.52	65.28
3241	15613	72.55	740.81	422.24	1276.17	623.89
1438	7199	72.4	1384.25	465.85	1845.15	398.42
1239	3031	72.26	34.99	22.59	74.78	38.3
3554	20380	72.19	122.94	62.6	185.13	66.19
2886	62	72.14	95.45	38.85	126.48	33.26

758	5026	72.14	52.53	56.56	141.34	85.98
1986	13167	72.06	88.95	29.42	118.87	27.04
3679	24811	71.96	1109.31	455.79	1611.89	321.31
363	4591	71.86	35.42	17.52	54.39	16.85
2958	25370	71.78	95.94	79.86	168.03	87.16
444	15372	71.76	230.28	76.59	166.84	33.84
3276	2149	71.67	809.63	210.72	1035.3	188.79
307	4134	71.62	714.86	333.09	1003.63	288.21
2639	2822	71.6	113.55	50.74	171.31	50.56
1515	7665	71.56	281.16	131.36	174.28	48.3
2169	13353	71.45	230.24	75.26	299.82	49.14
1329	15089	71.36	253.17	143.75	143.81	54.42
555	22867	71.36	200.41	71.94	267.95	56.86
2218	3431	71.34	1330.63	434.05	979.49	230.62
787	24225	71.31	321.66	88.44	397.66	74.06
3274	10886	71.24	730.33	287.1	1046.2	292.18
1134	19249	71.24	304.03	147.92	202.74	47.99
3613	14970	71.19	151.93	50.29	192.94	33.17
2209	24763	71.16	69.62	30.18	99.74	39.5
2257	12958	71.02	838.44	339.37	1212.95	349.39
1668	8808	70.98	331.35	127.32	442.27	93.97
2910	10184	70.91	82.54	57.81	132.19	51.45
864	22370	70.85	198.41	77.32	280.23	76.9
1476	7344	70.85	141.54	66.24	199.98	52.69
1843	23874	70.82	295.61	144.88	187.68	69.09
820	22870	70.81	693.77	226.73	958.56	235.69
2096	15684	70.78	466.9	183.19	322.59	81.12
1096	12361	70.73	335.35	252.61	436.16	157.59
2576	14521	70.71	378.9	153.05	513.94	151.4
1733	9292	70.71	103.79	33.86	72	22.06
3949	17887	70.63	960.66	311.73	1232.81	268.22
3866	16809	70.57	53.93	47.14	23.52	14.01
1294	13936	70.56	87.37	31.65	117.14	29.77
2104	8215	70.56	515.08	206.26	349.32	68.7
2170	18507	70.54	868.8	287.79	643.75	144.25
2583	17703	70.47	290.62	88.28	366.57	67.04
720	16465	70.46	337.24	87.66	428.48	97.67
2417	6715	70.46	200.56	51.43	250.69	47.65
1980	24170	70.39	80.8	46.71	125.33	46.01
3673	16204	70.33	898.67	220.96	727.47	111.06
4226	5667	70.33	927.04	191.86	776.26	104.11
618	13332	70.32	168.15	83.98	245.57	77.53
3046	1430	70.31	51.39	65.28	103.05	58.96
798	3791	70.3	193.24	56.31	235.97	46.45
1667	9067	70.28	905.02	319.12	657.76	172.4
1652	8132	70.28	81.73	37.4	49.75	22.13
1985	5874	70.28	92.97	43.42	128.57	38.7
1210	17963	70.27	79.62	37.82	113.3	44.12
1178	17009	70.2	129.88	155.48	260.53	165.61
2330	2818	70.17	365.52	82.6	298.38	49.62
3977	21439	70.17	88.75	70.01	161.04	67.26
3433	19712	70.16	110.98	53.23	150.13	43.73
1984	8339	70.16	65.35	30.78	90.94	28.43

2018	4091	70.05	411.19	128.17	319.94	68.41
586	23783	70.05	450.8	137.01	583.47	119.36
831	23055	70.01	53.83	57.88	111.9	77.42
3974	61	69.98	43.11	34.64	68.42	38.71
1558	1431	69.97	304.54	211.24	469.38	169.13
1046	5952	69.93	221.53	194.8	79.84	48.41
596	19443	69.91	1182.78	501.22	1438.37	331.54
3801	18795	69.91	700.4	295.08	490.13	135.43
1292	410	69.89	141.63	90.07	194.83	67.95
255	14207	69.87	29.52	17.55	44.01	17.85
444	15371	69.87	331.77	97.25	260.03	52.79
776	5110	69.86	437.63	192.67	295.49	63.7
2881	20984	69.85	956.59	344.93	1256.43	239.8
740	20797	69.83	654.12	204.7	824.52	159.26
288	6471	69.8	382.01	180.29	543.69	172.42
3465	12082	69.78	245.81	155.26	354.64	143.66
3980	25479	69.75	984.3	282.3	1258.29	225.92
3986	17532	69.71	377.61	166.47	522.06	150.36
1159	23502	69.71	94.84	50.43	160.19	66.07
3635	17427	69.7	966.21	290.24	1167.73	185.59
3914	9952	69.68	232.91	65.76	183.55	43.37
2531	13966	69.66	213.92	69.07	165.16	28.18
2561	19274	69.62	119.19	46.21	158.27	48.59
2477	12551	69.62	196.02	110	245.07	64.72
2993	21052	69.62	216.51	102.66	316.45	96.53
1634	8303	69.62	126.32	79.66	162.68	55.53
1594	7552	69.61	792.63	288.39	1042.29	230.88
1196	3082	69.61	335.18	154.07	235.56	55.03
3295	17104	69.6	667.73	196.44	505.08	94.35
2622	7161	69.6	68.88	37.85	41.45	18.15
1573	24290	69.6	2380.88	624.58	2979.79	584.6
2233	23299	69.55	308.22	214.74	162.06	61.66
700	22060	69.52	157.67	57.22	214.67	62.93
143	2544	69.51	171.6	57.05	239.6	63.17
3349	20778	69.49	61.34	20.43	77.02	17.03
3321	20601	69.49	641.69	413.94	1060.41	403.83
1581	5711	69.39	845.94	316.64	1151.27	304.37
177	8728	69.38	118	60.59	75.18	23.27
199	5608	69.38	147	55.51	103.48	25.47
1816	8837	69.35	182.4	64.43	227.91	46.54
2137	2140	69.29	64.21	59.65	97.81	49.35
927	23035	69.28	575.28	335.09	646.68	172.92
4225	25701	69.28	110.34	41.63	149.74	44.71
3668	20743	69.27	113.27	37.09	148.87	33.69
1144	3032	69.27	92.49	64.8	165.88	78.14
1907	2539	69.26	66.69	66.82	21.43	23.35
1437	11191	69.24	623.1	600.72	1250.16	738.73
1094	2486	69.23	415.77	170.38	549.44	138.08
196	10985	69.23	478.12	166.28	614.37	116.86
3986	25039	69.22	762.14	293.16	1032.96	271.08
1779	4650	69.21	104.52	71.46	53.88	49.17
745	18434	69.21	639.89	257.21	839.13	216.35
3378	16449	69.18	211.57	186.98	362.39	155.56

3852	4588	69.09	33.17	14.98	43.74	11.79
1761	23124	69.09	163.15	48.22	193.9	33.95
1426	2242	69.09	2594.76	1333.11	2431.24	702.72
1554	5465	69.08	649.21	200.8	814.17	179.49
2157	7134	69.08	122.91	39.59	158.86	40.4
2482	6629	69.03	352.77	98.64	436.59	94.79
3460	10562	69.02	170.94	63.73	221.77	54.11
3378	16450	69	185.48	93.27	265.68	79.3
658	22584	68.99	27.24	15.48	40.72	17.62
1273	26123	68.98	403.94	224.97	248.33	85.97
724	4866	68.94	323.56	220.59	407.79	144.67
2318	14520	68.92	718.89	287.37	929.15	271.99
3257	3202	68.9	312.29	148.94	204.06	59.69
1957	6638	68.9	62.37	36.79	86.23	25.38
1353	5466	68.87	142.15	56.41	100.61	24.64
986	23626	68.86	201.12	116.89	120.63	56.66
3801	23192	68.81	277.27	117.81	196.73	57.65
1395	4205	68.8	291.77	147.91	182.61	54.27
2612	11561	68.8	222.61	82.98	161.97	43.32
1661	8715	68.78	1933.02	1288.57	1534.57	369.02
4110	22196	68.78	74.28	48.92	39.71	17.41
3600	12639	68.77	1220.95	226.32	1066.08	134.55
2736	15398	68.76	120.19	79.21	64.19	37.26
137	1846	68.76	489.04	119.47	574.7	96.78
847	21962	68.75	183.19	58.91	232.81	58.04
762	23440	68.73	111.58	125.59	224.77	150.16
2227	10187	68.7	178.99	73.07	243.28	70.75
3620	20862	68.7	208.89	100.37	291.27	85.54
2595	14073	68.68	170.77	79.39	232.8	72.02
283	21353	68.67	1193.72	449.28	1469.14	294.93
3203	2667	68.66	690.95	215.8	851.81	173.83
149	2897	68.66	60.98	33.47	39.56	17.93
791	17514	68.63	427.65	147.04	555.38	121.94
3980	16922	68.63	697.44	197	879.16	162.12
3584	6911	68.61	188.66	80.63	248.73	65.16
1875	4235	68.61	416.89	162.07	298.92	94.14
2687	11644	68.6	768.73	297.92	890.46	175.16
733	4917	68.6	208.76	60.29	258.79	46.71
1489	7451	68.59	1396.7	510.59	1080.67	215.46
1953	21164	68.57	268.4	126.78	380.18	136.64
3744	1524	68.57	108.28	62.98	155.75	55.68
1312	6382	68.56	143.14	99.56	76.63	44
1380	7066	68.56	279.58	78.92	347.29	69.26
4211	20872	68.56	931.08	305.64	720.26	134.29
1449	7225	68.53	332.7	150.95	355.06	72.91
2973	13682	68.52	196.76	70.68	140.85	50.89
1647	10281	68.51	121.89	86.7	170.5	68.47
501	18128	68.51	96.48	30.33	125.94	28.58
3836	17155	68.51	185.29	83.99	120.66	39.81
2883	1921	68.5	363.23	239.85	168.76	106.57
3274	10887	68.5	85.17	35.98	112.54	27.85
4188	614	68.46	870.65	232.37	1078.33	221.09
3487	11039	68.46	130.13	55.8	178.73	47.4

1370	15679	68.45	214.51	94.52	146.93	48.35
3610	20839	68.43	1299.47	285.16	1088.5	155.78
655	17896	68.42	85.62	39.55	121.53	39.19
341	24161	68.4	380.32	103.82	478.92	106.67
1653	8520	68.4	321.68	100.94	397.37	82.51
577	13574	68.37	254.63	86.55	330.35	89.71
1725	20123	68.36	223.68	125.26	329.84	88.65
1108	15907	68.36	246.9	75.2	308.44	75.88
2279	22037	68.35	332.69	78.56	406.31	99.09
2783	14528	68.35	243.07	104.53	336.21	101.8
393	14139	68.31	40.39	18.21	56.2	16.32
2502	17879	68.31	237.45	70.4	314.51	93.29
4169	1314	68.3	230.14	67.58	180.59	33.52
600	17590	68.3	148.41	79.6	95.69	27.19
655	17897	68.27	373.2	150.32	485.53	116.46
1571	6740	68.27	342.85	105.69	423.44	103.94
629	17752	68.26	379.9	128.36	495.89	132.62
1838	4355	68.24	337.78	125.58	428.84	92.54
4063	8210	68.23	191.77	115.98	107.02	55.62
4128	18036	68.22	210.77	98.22	292.49	75.92
2115	3266	68.22	180.68	49.15	150.45	28.28
1092	11324	68.22	260.71	86.16	335.92	75.79
2497	20895	68.19	135.62	62.17	177.96	51.29
23	17613	68.19	371.95	133.14	281.27	62.96
402	16320	68.19	79.42	28.99	105.75	30.18
3101	18725	68.18	168.56	77.4	225.51	75.92
3044	4198	68.17	1100.95	327.81	1091.61	171.92
3005	1540	68.17	134.98	49.93	165.98	43.79
1001	24277	68.14	269.91	98.59	196.18	57.35
2575	14502	68.14	207.15	63.56	156.69	36.59
2723	9009	68.14	385.05	87.95	476.29	94
3986	17530	68.12	186.7	104.72	274.46	97.23
3516	23606	68.1	631.68	410.82	352.05	127.82
1098	2691	68.1	243.93	91.51	169.17	69.36
829	12247	68.1	122.48	84.05	183.46	74.07
1983	8634	68.09	157.75	80.37	104.74	48.03
106	4843	68.09	421.66	118.6	517.97	107.18
391	19067	68.05	100.57	53.04	139.26	48.14
3524	18107	68.05	401.43	109.81	326.56	59.27
3090	4452	68.03	886.8	306.99	1156.6	282.66
1005	11050	68.02	710.49	249.13	560.27	145.63
1408	3417	68.01	516.14	177.77	395.17	73.1
208	6438	68.01	131.87	66.18	182.42	58.29
3289	15365	68.01	891.2	333.93	645.16	125.31
3679	24810	67.97	292.82	150.13	456.25	128.79
4009	10018	67.97	260.2	118.71	181.9	54.89
4126	255	67.96	387.64	145.8	480.23	103.61
1041	8726	67.96	135.08	93.35	84.96	51.74
4003	17549	67.95	764.29	177.53	623.69	117.53
3344	356	67.93	149.32	111.95	147.29	46.36
1832	24181	67.93	124.59	57.39	79	24.79
2553	24501	67.93	634.23	157.53	521.34	86.23
778	23159	67.93	409.47	130.12	311.61	84.62

2664	17664	67.92	416.69	253.9	243.35	93.43
2126	19012	67.91	556.84	225.64	400.85	111.76
1087	2444	67.91	119.69	68.66	181.52	65.2
2508	4731	67.89	128.84	144.38	36.23	30.29
911	211	67.89	688.28	367.64	1176.91	592.79
2434	12252	67.89	864.85	232.74	1019.13	201.64
1198	1557	67.88	27.56	21.39	39.68	16.88
2351	13054	67.88	69.13	23.41	50.93	18.64
3651	1920	67.86	663.36	386.93	367.41	181.89
2290	18672	67.85	110.77	40.71	80.47	24.88
2217	2161	67.84	654.52	529	312.94	161.72
366	6440	67.83	404.48	194.32	254.8	98.77
4009	10019	67.82	224.45	103.51	153.06	51.22
2396	13670	67.82	85.24	34.32	115.46	30.25
2171	23536	67.82	70.89	64	26.57	37.27
242	22820	67.81	426.5	191.71	281.27	81.11
907	22574	67.81	151.79	182.36	402.11	309.52
1110	6783	67.81	102.58	60.82	62.89	27.41
2525	6743	67.78	915.55	270.61	1159.37	250.96
4013	19150	67.77	59.12	28.57	39.52	15.32
1300	21838	67.77	210.76	128.6	131	32.47
1533	7584	67.75	737.74	638.32	941.43	380.24
1067	2319	67.74	431.9	190.92	566.69	156.82
3587	21094	67.74	196.77	179.38	236.13	119.75
1090	24233	67.71	707.12	242.83	917.78	222.66
112	21380	67.71	91.28	39.48	62.47	21.33
1577	20444	67.7	86.66	42.03	58.53	35.13
2580	3143	67.69	306.33	89.19	372.02	81.41
2059	6164	67.69	304.21	109.83	351.01	71.98
393	14138	67.68	40.91	15.33	55.41	16.48
3382	15259	67.66	144.72	83.96	86.36	35.42
996	14510	67.66	2639.15	1226.17	3492.91	1098.51
4259	768	67.65	1353.87	309.58	1606.83	258.79
1648	8490	67.64	209.66	101.83	299.89	91.72
3321	20600	67.64	396.9	327.67	658.07	301.6
2673	9015	67.61	94.95	27.58	115.35	31.99
2062	15393	67.58	369.85	111.39	441.55	88.84
2150	13434	67.57	38.76	38.51	75.67	44.18
1969	23183	67.57	165.28	92.68	230.55	80.47
939	8860	67.56	293.12	127.69	371.63	105.49
1031	23080	67.54	835.84	421.03	1185.74	431.6
1256	11361	67.54	256.98	93.87	332.77	76.04
4238	4441	67.54	940.27	200.95	823.12	118.28
3165	4282	67.54	1242.36	574.56	1740.79	486.02
2968	19	67.53	756.02	301.64	554.06	147.6
2891	21864	67.53	33.05	16.01	21.33	10.05
2322	11660	67.51	118.01	46.41	89.3	23.43
3958	17758	67.46	266.15	307.61	351.61	238.28
3143	960	67.45	173.41	67.83	226.84	59.41
3594	11849	67.45	856.64	223.48	709.23	125.29
3295	17105	67.41	1117.43	283.69	927.38	194.54
4239	13646	67.41	892.25	275.14	702.93	149.12
3096	23524	67.38	104.4	64.83	57.27	45.13

1424	3203	67.37	260.9	116.49	186.24	44.33
3649	9620	67.35	601.38	150.52	510.43	89.37
3230	17628	67.34	715.53	137.11	815.84	133.15
1214	23417	67.31	280.95	101.29	212.05	48.37
3924	14959	67.28	648.44	208.84	499.67	95.61
4215	20427	67.26	900.06	205.07	756.53	127.69
3400	4592	67.24	191.79	76.87	139.31	31.94
4216	25691	67.23	1006.53	224.67	849.11	124.04
3775	25443	67.21	948.41	328.6	1189.29	304.35
2469	7067	67.21	276.13	89.4	353.46	81.75
1507	1876	67.2	683.28	267.37	796.49	167.63
3463	11455	67.17	71.61	53.39	38.9	56.02
2869	1884	67.13	197.44	73.06	151.25	31.6
3010	17123	67.11	131.52	45.5	100.68	25.77
3885	8592	67.1	300.12	124.38	394.15	116.04
3986	17533	67.08	233.09	125.6	325.28	114.38
3287	10503	67.08	524.19	154.11	604.9	107.85
3178	20755	67.06	108.77	121.18	40.79	20.85
344	1801	67.05	80.93	38	58.49	13.68
4004	17684	67.05	277.13	115.19	335.97	75.04
4107	228	67.04	430.29	134.04	512.97	100.94
3090	4450	67.02	158.06	59.2	205.63	53.79
3214	13282	67.02	177.9	79.38	243.36	70.87
501	11966	67.02	242.44	73.67	303.73	74.19
1898	15291	67.01	96.86	53.21	62.38	19.96
3956	1546	67.01	261.52	83.92	312.59	65.76
3116	16306	66.99	962.35	308.44	1149.73	219.02
296	1867	66.99	752.96	205.36	598.57	131.93
404	22927	66.99	40.88	25.81	23.29	11.74
3984	23166	66.99	232.45	97.58	162.7	51.7
3090	4451	66.98	210.67	85.74	279.48	77.2
3373	2079	66.98	195.85	68.11	229.68	54.62
60	18349	66.97	91.09	56.53	57	16.75
3103	9423	66.9	1057.08	514.83	774.04	189.98
3434	19824	66.89	289.5	177.58	408.58	150.59
3573	7872	66.89	249.18	74.82	309.91	69.56
2029	20466	66.88	351.24	138.81	459.19	140.55
3675	21693	66.87	753.8	200.49	928.07	172.96
4256	1548	66.87	557.12	146.84	674.13	116.09
3490	12606	66.79	621.18	287.04	774.78	201.18
3090	4449	66.79	182.55	79.34	251.5	78.17
4097	1928	66.79	236.45	106.82	304.98	83.91
2999	20464	66.77	1529.62	469.75	1893.1	544.17
4122	25078	66.73	298.95	95.41	381.76	95.92
1220	15292	66.7	213.86	99.54	146.93	34.99
3142	16947	66.69	935.36	340.75	1225.46	279.74
3199	17894	66.68	63.47	35.12	44.27	12.96
3867	17739	66.62	327.62	158.91	473.82	169.89
1459	21950	66.54	591.42	162.54	722.6	133.4
3030	64	66.53	106.64	45.7	142.61	39.25
4124	797	66.48	33.59	18.66	21.12	10.22
3626	4234	66.47	811.89	366.43	568.15	259.91
3189	17394	66.45	430.68	162.8	313.15	83.46

3411	20716	66.45	1369.01	385.55	1726.3	418.55
3177	6108	66.42	138.02	56.31	101.93	28.25
3434	19825	66.41	266.04	171.17	390.25	148.94
4127	18038	66.41	197.25	91.33	261.09	81.35
2930	20430	66.39	605.69	381.32	883.43	355.77
4065	3244	66.39	59.66	21	73.82	18.62
3344	355	66.39	70.96	66.99	64.66	25.6
2831	20056	66.35	90.58	34.47	114.44	29.89
640	1562	66.34	747.81	250.42	929.74	181.21
3601	23854	66.34	553.01	193.42	421.19	115.14
14	18299	66.32	121.08	27.91	100.58	18.9
2855	16610	66.28	198.74	109.91	131.99	52.47
76	23202	66.28	104.82	47.11	128.44	35.84
3285	24885	66.23	1023.96	260.94	855.24	149.18
661	2192	66.23	52.33	26.61	34.72	15.08
2910	10185	66.23	61.21	41.3	90.19	37.18
4020	15703	66.21	143.45	71.27	130.93	41.13
76	23203	66.2	88.78	49.95	104.63	36.15
3156	17541	66.19	1759.77	1098.05	1588.11	444.98
107	17997	66.17	174.21	45.08	213.14	48.68
3424	18727	66.12	1013.64	465.71	704.84	329.95
3949	17886	66.1	1116.44	233.17	1289.74	227.21
3663	18368	66.03	362.64	120.24	447.43	91.83
2970	31	66.02	281.69	99.08	353.66	95.89
3663	18369	66	120.27	64.54	169.25	49.47
3457	25814	65.99	90.92	55.71	149.1	71.12
3157	20819	65.96	89.28	35.9	69.1	14.18
28	17687	65.96	50.78	19.35	36.64	12.64
3803	15926	65.95	472.3	167.38	621.88	200.71
414	4462	65.93	125.88	94.99	204.11	102.22
3871	21066	65.9	73.4	26.64	55.33	14.27
611	8438	65.87	74.93	49.9	98.73	40.98
4253	405	65.85	825.95	238.8	986.25	156.59
3083	20744	65.83	609.22	527.99	289.69	178.47
3483	8984	65.83	217.18	73.47	166.16	43.92
3850	15718	65.83	58.42	26.79	78.5	26.27
2947	25343	65.82	64.29	30.46	72.38	22.02
4221	21123	65.81	778.23	292.41	1003.73	256.82
3778	16125	65.8	82.9	47.25	98.5	35.99
3059	23942	65.8	42.89	19.35	58.23	19.43
3592	17269	65.76	395.29	125.05	498.17	130.91
1928	1841	65.76	84.27	83.25	35.58	21.33
3666	17448	65.76	76.75	46.78	47.96	26.33
4099	1639	65.75	176.81	55.81	202.63	39.84
4226	18611	65.73	1285.32	330	1076.99	206.89
3534	21239	65.73	455.08	250.88	277.37	111.37
3117	24707	65.72	1040.18	525.49	1331.32	396.29
65	13683	65.72	116.88	41.7	88.7	22.78
3878	9528	65.71	163.77	124.25	209.98	82.15
3324	5747	65.69	157.37	64.22	114.17	36.3
3707	15069	65.68	758.44	411.73	942.45	358.93
3878	9527	65.67	185.91	142.85	245.98	110.93
3101	18726	65.64	301.13	112	375.83	101.91



3817	13369	65.64	197.54	53.22	158.4	35.68
3573	25453	65.64	286.4	81.98	338.69	69.45
3283	24693	65.59	1558.64	625.1	1297.32	348.23
3182	20931	65.57	345.69	231.81	455.91	200.33
3673	16205	65.57	1268.71	312.26	1055.03	205.58
3180	18695	65.55	90.63	38.86	118.94	42.21
2879	1218	65.49	219.34	58.07	250.38	47.34
3055	1678	65.49	103.4	40.36	131.17	34.94
628	20985	65.47	110.32	56.2	140.81	49.83
4095	58	65.45	60.72	39.27	39.87	13.54
3356	14973	65.44	53.97	100.44	72.85	93
3334	14003	65.4	159.86	161.69	149.52	54.17
4076	1460	65.4	401.02	317.53	250.09	60.17
3617	17379	65.39	161.54	88.67	102.86	54.69
628	20986	65.38	233.32	122.44	359.92	161.6
3366	24019	65.35	42.24	35.05	20.47	16.32
3700	22321	65.33	163.77	229.38	56.29	25.91
2968	20	65.32	436.74	195.19	326.74	105.14
3027	70	65.31	401.51	167.75	499.1	122.27
3293	21975	65.27	258.36	101.5	272.58	66.08
2946	15378	65.26	99.27	39.13	124.82	35.27
3531	8267	65.24	703.24	383.23	973.99	404.92
3667	15175	65.23	195.72	64.31	238.77	56.67
3163	494	65.22	24.44	32.56	46.1	33.38
3047	1694	65.19	1206.41	266.14	1040.67	177.4
4131	19543	65.18	57.88	22.48	44.67	24.04
4248	20844	65.18	809.4	218.34	681.31	144.38
1209	17962	65.16	60.01	23.14	76.18	26.95
4027	24657	65.16	53.84	32.67	75.25	31.19
521	22862	65.16	373.99	171.99	470.34	124.66
621	19745	65.16	63.45	27.98	46.34	14.67
2270	3071	65.12	71.42	31.53	51.03	17.31
22	15654	65.1	378.32	147.51	303.37	91.13
3986	17531	65.1	635.42	193.54	804.08	204.83
3465	12083	65.09	189.53	108.48	258.03	109.22
3921	17512	65.06	382.5	92.9	437.7	86.56
3216	1521	65.05	202.1	111.43	137.4	51.17
4210	25687	65.05	1428.29	309.52	1220.32	198.1
3653	5496	65.04	427.7	199.98	510.54	122.43
3466	13480	65.04	618.09	187.25	751.59	169.92
3715	16257	65.02	404.02	145.61	520.25	157.53
3701	11170	65.01	724.71	233.25	596.8	121.58